

From: Swope, Sheridan  
Sent: Monday, February 06, 2006 12:37 PM  
To: STIC-Biotech/ChemLib  
Subject: 10/018,964

For 10/018,964, please interference search:

SID 1 against the NT and AA data bases.

Wherein the sequence is: Tyr-Ser-Gly-Pro-Pro-Ser-Gly-Ala-Arg-Arg-Arg-Asn-Cys-Tyr-Glu

Sheridan Swope, Ph.D.  
Patent Examiner, AU 1656  
Recombinant Enzymes  
571-272-0943 (voice)  
E02B71 Remsen Bld (Office)  
E03C70 Remsen Bld (Mailbox)

No Art

RECEIVED  
FEB 6 2006  
STIC-BIOTECH/CHMLIB  
(STIC)

1-15 aa  
10

02/15/06  
JAS

\*\*\*\*\*  
Searcher: \_\_\_\_\_  
Searcher Phone: \_\_\_\_\_  
Date Searcher Picked up: \_\_\_\_\_  
Date completed: \_\_\_\_\_  
Searcher Prep Time: \_\_\_\_\_  
Online Time: \_\_\_\_\_

\*\*\*\*\*  
Type of Search  
NA# \_\_\_\_\_ AA#: \_\_\_\_\_  
S/L: \_\_\_\_\_ Oligomer: \_\_\_\_\_  
Encode/Transl: \_\_\_\_\_  
Structure #: \_\_\_\_\_ Text: \_\_\_\_\_  
Inventor: \_\_\_\_\_ Litigation: \_\_\_\_\_

\*\*\*\*\*  
Vendors and cost where applicable  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
QUESTEL/ORBIT: \_\_\_\_\_  
LEXIS/NEXIS: \_\_\_\_\_  
SEQUENCE SYSTEM: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (Specify): \_\_\_\_\_

HIS PAGE BLANK (USPTO)



# STIC Search Report

## Biotech-Chem Library

STIC Database Tracking Number: 10/018964

TO: Sheridan Swope  
Art Unit: 1656  
Location: REM/2B71/3C70  
Serial Number: 10/018964

Friday, February 17, 2006

From: Beverly Shears  
Location: Biotech-Chem Library  
REM 1A54  
Phone: 571-272-2528  
beverly.shears@uspto.gov

### Search Notes

#### Protein Sequence Searches – February 2005

All of the sequence databases on ABSS have recently been updated.

- Please note that the curators of the UniProt database have purged some temporary accession numbers from the most recent version of UniProt. These sequences have been assigned new permanent accession numbers. The new UniProt record may not contain the previous temporary accession number.
- If you encounter an accession number from an older search run against UniProt (results file extension .rup) that can no longer be found in the database, the permanent record with the new accession number can be found by searching the old accession number in the UniProt Protein Archive database (uniPARC) at:

<http://www.pir.uniprot.org/database/archive.shtml>

If you have any questions regarding this information or your results, please contact any STIC searcher.

#### Published Applications Database - November 2005

Published\_Applications Nucleic Acid and Published\_Applications Amino Acid database searches now generate two sets of results each. The Published\_Applications databases have been split into two parts to reduce the amount of time required for their daily updates. This results in more machine time being available for processing searches.

Newly published applications will appear in the Published\_Applications\_New databases; older published applications make up the Published\_Applications\_Main databases.

Searches run against Nucleic Acid Published\_Applications produce two sets of results, with the extensions .rnpbm (Published\_Applications\_NA\_Main) and .rnpbn (Published\_Applications\_NA\_New).

Searches run against Amino Acid Published\_Applications produce two sets of results, with the extensions .rapbm (Published\_Applications\_AA\_Main) and .rapbn (Published\_Applications\_AA\_New).



**THIS PAGE BLANK (USPTO)**

Copyright (c) 1993 - 2006 Biocceleration Ltd.

sun on: February 13, 2006, 17:47:10 ; Search time 410 Seconds  
(without alignments)  
32.896 Million cell updates/sec

title: SWOP-018-SEQ1  
perfect score: 87  
sequence: 1 yggppbgarrnrye 15

scoring table: BLOSUM62  
xgapop 10.0 , xgapext 0.5  
ygapop 10.0 , ygapext 0.5  
fgapop 6.0 , fgapext 7.0  
delop 6.0 , delext 7.0

searched: 6240305 seqs, 449581930 residues

total number of hits satisfying chosen parameters: 12480610

minimum DB seq length: 0  
maximum DB seq length: 2000000000

post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing First 45 summaries

Command line parameters:  
MODE1=frame\_B2N.mode1 -DEV=xlp  
O=abs/ABSSWEB\_Spool/SWOP018964/runut\_10022006\_143759\_580/app\_query.fasta\_1  
DB=Published Applications NA\_New -QEMT=rnpbn -STRI=0 -END=-1  
TRANS=0 -UNITS=1 -LIST=45 -DCALIGN=200 -THR\_MAX=100  
THR\_MIN=0 -ALIGN=40 -MODE=LOCAL -OUTFMT=pct -HEAPSIZE=500 -MINLEN=0

Sequence 47, App1  
Sequence 78/5, App1  
Sequence 3179, App1  
Sequence 1399, App1  
Sequence 5033, App1  
Sequence 31, App1  
Sequence 29, App1  
Sequence 56845, A  
Sequence 56845, A  
Sequence 50234, A  
Sequence 50234, A  
Sequence 110, App1  
Sequence 3727, App1  
Sequence 1980, App1  
Sequence 1981, App1  
Sequence 113383, A  
Sequence 19, App1  
Sequence 15, App1  
Sequence 5, App1  
Sequence 1, App1  
Sequence 1, App1  
Sequence 66, App1  
Sequence 2, App1  
Sequence 63977, A  
Sequence 1731, App1  
Sequence 1741, App1  
Sequence 1750, App1  
Sequence 2637, App1  
Sequence 151, App1  
Sequence 101, App1  
Sequence 100, App1  
Sequence 99, App1  
Sequence 231, App1  
Sequence 2395, App1  
Sequence 13368, A  
Sequence 5041, App1  
Sequence 55, App1  
Sequence 5798, App1  
Sequence 5780, App1  
Sequence 5861, App1

USER-SWOP018964 @CERN 1.1.335 @runat 10022006 143759 580 -NCPU=6 -IGPU=3  
NO MMAP -NEG -SCORES=0 -WAIT -ISPBLOCK=1 -LONGITIMEOUT=120 -DEV TIMEOUT=120  
YGAPOP=10 -WARN TIMEOUT=30 -THREADES=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
ALIGNMENTS

RESULT 1  
US-11-136-527-2002  
Published Applications NA\_New:  
1: /cgn2\_6/pctodata/2/pubpna/us08 NEW\_PUB.seq;\*  
2: /cgn2\_6/pctodata/2/pubpna/us06\_NEW\_PUB.seq;\*  
3: /cgn2\_6/pctodata/2/pubpna/us07\_NEW\_PUB.seq;\*  
4: /cgn2\_6/pctodata/2/pubpna/PCT\_NEW\_PUB.seq;\*  
5: /cgn2\_6/pctodata/2/pubpna/us05\_NEW\_PUB.seq;\*  
6: /cgn2\_6/pctodata/2/pubpna/us10\_NEW\_PUB.seq;\*  
7: /cgn2\_6/pctodata/2/pubpna/us10\_NEW\_PUB.seq1;\*  
8: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq;\*  
9: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq2;\*  
10: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq3;\*  
11: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq4;\*  
12: /cgn2\_6/pctodata/2/pubpna/us60\_NEW\_PUB.seq;\*  
\*  
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

database : Published Applications NA\_New:  
1: /cgn2\_6/pctodata/2/pubpna/us08 NEW\_PUB.seq;\*  
2: /cgn2\_6/pctodata/2/pubpna/us06\_NEW\_PUB.seq;\*  
3: /cgn2\_6/pctodata/2/pubpna/us07\_NEW\_PUB.seq;\*  
4: /cgn2\_6/pctodata/2/pubpna/PCT\_NEW\_PUB.seq;\*  
5: /cgn2\_6/pctodata/2/pubpna/us05\_NEW\_PUB.seq;\*  
6: /cgn2\_6/pctodata/2/pubpna/us10\_NEW\_PUB.seq;\*  
7: /cgn2\_6/pctodata/2/pubpna/us10\_NEW\_PUB.seq1;\*  
8: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq;\*  
9: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq2;\*  
10: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq3;\*  
11: /cgn2\_6/pctodata/2/pubpna/us11\_NEW\_PUB.seq4;\*  
12: /cgn2\_6/pctodata/2/pubpna/us60\_NEW\_PUB.seq;\*  
\*  
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| result No. | Score | Query Match | Length | DB ID | Description                         |
|------------|-------|-------------|--------|-------|-------------------------------------|
| 1          | 63    | 72.4        | 6490   | 11    | US-11-136-527-2002                  |
| 2          | 50    | 57.5        | 693    | 7     | Sequence 2002, Ap Sequence 52252, A |
| 3          | 50    | 57.5        | 693    | 7     | Sequence 52252, A Sequence 41892, A |
| C 4        | 47.5  | 54.6        | 3278   | 7     | Sequence 41892, A Sequence 41892, A |
| C 5        | 47.5  | 54.6        | 3278   | 7     | Sequence 41892, A Sequence 41892, A |

Alignment Scores:  
pred. No.: 69.4  
Score: 63.00  
Percent Similarity: 86.7%  
Best Local Similarity: 73.3%  
Query Match: 72.4%  
DB: 11  
Length: 6490  
SEQ ID NO: 2002  
LENGTH: 6490  
TYPE: DNA  
ORGANISM: Rattus norvegicus  
US-11-136-527-2002

Alignment Scores:  
pred. No.: 69.4  
Score: 63.00  
Percent Similarity: 86.7%  
Best Local Similarity: 73.3%  
Query Match: 72.4%  
DB: 11  
Length: 6490  
SEQ ID NO: 2002  
LENGTH: 6490  
TYPE: DNA  
ORGANISM: Rattus norvegicus  
US-11-136-527-2002

SWOP-018-SEQ1 (1-15) x US-11-136-527-2002 (1-6490)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgCystArgGlu 15

Db 3673 TACAGGGCCCCAAGGGCCCCGGAGATGGTACGAC 3717

RESULT 2

US-10-750-1-85-52252

; Sequence 52252, Application US/10750185

; Publication No. US2005026053A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; ATTORNEY: DENISE, Sue K.

; APPLICANT: KERR, Richard

; APPLICANT: ROSENFIELD, David

; APPLICANT: HOLM, Tom

; APPLICANT: BATES, Stephen

; APPLICANT: FANTIN, Dennis

; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-2

; CURRENT APPLICATION NUMBER: US/10/750,185

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; SEQ ID NO: 52252

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine 19866881077562

US-10-750-185-52252

Alignment Scores:

Pred. No. : 536

Length: 693

Score: 50.00

Matches: 9

Percent Similarity: 90.9%

Conservative: 1

Best Local Similarity: 81.8%

Mismatch: 57.5%

Query Match: 7

DB: 0

Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-750-185-52252 (1-6493)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsn 12

Db 552 TCTGTCCTCCGAGGTGAGAGTCAGAC 584

RESULT 3

US-10-750-623-52252

; Sequence 52252, Application US/10750623

; Publication No. US20050287531A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; APPLICANT: KERR, Richard

; APPLICANT: ROSENFIELD, David

; APPLICANT: HOLM, Tom

; APPLICANT: BATES, Stephen

; APPLICANT: FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine 19866881077562

US-10-750-623-52252

Alignment Scores:

SWOP-018-SEQ1 (1-15) x US-10-750-623-52252 (1-6493)

Qy 3 GlyProProSerGlyAlaArgArgArgAsn--CystYr 14

Db 2325 GGGCCCCAGGAGCCAGGAAAGGAGTTGTAT 2287

RESULT 4

US-10-750-623-41892/C

; Sequence 41892, Application US/10750623

; Publication No. US20050287531A1

; GENERAL INFORMATION:

; APPLICANT: MMI GENOMICS, INC.

; APPLICANT: KERR, Richard

; APPLICANT: ROSENFIELD, David

; APPLICANT: HOLM, Tom

; APPLICANT: BATES, Stephen

; APPLICANT: FANTIN, Dennis

; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS

; FILE REFERENCE: MM11100-1

; CURRENT APPLICATION NUMBER: US/10/750,623

; CURRENT FILING DATE: 2003-12-31

; PRIOR APPLICATION NUMBER: US 60/437,482

; PRIOR FILING DATE: 2002-12-31

; NUMBER OF SEQ ID NOS: 64922

; SOFTWARE: PatentIN version 3.1

; LENGTH: 693

; TYPE: DNA

; ORGANISM: Bovine 19866881077562

US-10-750-623-41892/C

Alignment Scores:

;

SEQ ID NO 41892  
; LENGTH: 3278  
; ORGANISM: Bovine US-10-750-623-41892

Alignment Scores:  
Pred. No.: 6.74e+03 Length: 3278  
Score: 47.50 Matches: 9  
Percent Similarity: 76.9% Conservative: 1  
Best Local Similarity: 69.2% Mismatches: 2  
Query Match: 54.6% Indels: 1  
DB: 7 Gaps: 1

SWOP-018-SEQ1 (1-15) x US-10-750-623-41892 (1-3278)

QY 3 GlyProProSerGlyAlaArgArgArgArgAsnCys 13  
Db 2325 GGGCGCAGGAGCAGGAGCAAGGAAAGGAGTTGTTAT 2287

RESULT 6  
US-11-169-041-47  
; Sequence 47, Application US/11169041  
; Publication No. US2006001984A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: IDENTIFICATION OF POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER  
; TITLE OF INVENTION: CELLS  
; FILE REFERENCE: 10001 NP  
; CURRENT APPLICATION NUMBER: US/11/169,041  
; CURRENT FILING DATE: 2005-06-28  
; PRIOR APPLICATION NUMBER: 60/584,405  
; PRIOR FILING DATE: 2004-06-30  
; NUMBER OF SEQ ID NOS: 527  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 47  
; LENGTH: 954  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-11-169-041-47

Alignment Scores:  
Pred. No.: 2.12e+03 Length: 954  
Score: 47.00 Matches: 8  
Percent Similarity: 72.7% Conservative: 0  
Best Local Similarity: 72.7% Mismatches: 0  
Query Match: 54.0% Indels: 0  
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-169-041-47 (1-954)

QY 3 GlyProProSerGlyAlaArgArgArgAsnCys 13  
Db 293 GGGCGCCTCAGGTTACGTCGAGGCCGCTGT 325

RESULT 7  
US-11-136-527-7875  
; Sequence 7875, Application US/11136527  
; Publication No. US20050287570A1  
; GENERAL INFORMATION:  
; APPLICANT: Wyeth  
; MOUNTS, William M  
; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
; FILE REFERENCE: 031896-041000 (AM101086)  
; CURRENT APPLICATION NUMBER: US/11/136,527  
; CURRENT FILING DATE: 2005-05-25  
; PRIOR APPLICATION NUMBER: US 60/574,294  
; PRIOR FILING DATE: 2005-05-26  
; NUMBER OF SEQ ID NOS: 362830  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 3779  
; LENGTH: 1663  
; TYPE: DNA  
; ORGANISM: Rattus norvegicus  
US-11-136-527-7875

Alignment Scores:  
Pred. No.: 3.85e+03 Length: 1663  
Score: 47.00 Matches: 8  
Percent Similarity: 72.7% Conservative: 0  
Best Local Similarity: 72.7% Mismatches: 3  
Query Match: 54.0% Indels: 0  
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-7875 (1-1663)

QY 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 490 GGGCACCTCAGGTTACGTCGAGGCCGCTGT 522

RESULT 9  
US-11-000-688-1399/c  
; Sequence 1399, Application US/11000688  
; Publication No. US2005028754A1  
; GENERAL INFORMATION:  
; APPLICANT: BERTUCCI, Francois  
; APPLICANT: HOUIGATTE, Remi  
; APPLICANT: BIRNBAUM, Daniel  
; TITLE OF INVENTION: GENE EXPRESSION PROFILING OF COLON CANCER WITH DNA ARRAYS  
; FILE REFERENCE: 1423-R-03  
; CURRENT APPLICATION NUMBER: US/11/000,688  
; CURRENT FILING DATE: 2004-12-01  
; PRIOR APPLICATION NUMBER: US 60/525,987  
; PRIOR FILING DATE: 2003-12-01  
; NUMBER OF SEQ ID NOS: 1596  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO 1399  
; LENGTH: 2530  
; TYPE: DNA  
; SEQ ID NO 7875

; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Description of Artificial Sequences:primer  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (11..(2510)  
 ; OTHER INFORMATION: homeo box a1 (HOXA1) gene.  
 US-11-000-688-1399

Alignment Scores:  
 Pred. No.: 6.05e+03 Length: 2530  
 Score: 47.10 Matches: 10  
 Percent Similarity: 64.7% Conservative: 1  
 Best Local Similarity: 58.8% Mismatches: 2  
 Query Match: 54.0% Indels: 4  
 DB: 11 Gaps: 1

SHOP-018-SEQ1 (1-15) x US-11-000-688-1399 (1-2530)

Qy 2 serGlyProPro-----SerGlyAlaArgArgArgArgCysTyr 14  
 Db 244 TCTGCAACCCCTTCCCACTAGAGCCGTCGCCCCGCAACTGTTGG 194

RESULT 10  
 US-11-124-367A-5033  
 ; Sequence 5033, Application US/11124367A  
 ; Publication No. US20060024700A1  
 ; GENERAL INFORMATION;  
 ; APPLICANT: Michele Cargill  
 ; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
 ; TITLE OF INVENTION: Fibrosis: Methods of Detection and Uses Thereof  
 ; FILE REFERENCE: CLO01519.ORD  
 ; CURRENT APPLICATION NUMBER: US/11/124-367A  
 ; PRIORITY APPLICATION NUMBER: US 60/568,846  
 ; PRIOR FILING DATE: 2004-05-09  
 ; PRIORITY APPLICATION NUMBER: US 60/562,609  
 ; PRIOR FILING DATE: 2004-06-25  
 ; PRIOR APPLICATION NUMBER: US 60/599,554  
 ; PRIOR FILING DATE: 2004-08-09  
 ; NUMBER OF SEQ ID NOS: 34460  
 ; SOFTWARE: Fabl-SEQ For Windows Version 4.0  
 ; SEQ ID NO 5033  
 ; LENGTH: 131556  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-11-124-367A-5033

Alignment Scores:  
 Pred. No.: 3.58e+04 Length: 13156  
 Score: 47.00 Matches: 10  
 Percent Similarity: 66.7% Conservative: 2  
 Best Local Similarity: 55.6% Mismatches: 2  
 Query Match: 54.0% Indels: 4  
 DB: 11 Gaps: 1

SHOP-018-SEQ1 (1-15) x US-11-124-367A-5033 (1-13156)

Qy 1 TyrSerGlyProProSerGly-----AlaArgArgArgAsnCysTyr 14  
 Db 2030 TGGCGAGGCCGCGCTTCAAGCTATATAGCGCACTCCGGCGCTGGTGTAT 2083

RESULT 11  
 US-10-838-616-31/c  
 ; Sequence 31, Application US/10838616  
 ; Publication No. US20060008874A1  
 ; GENERAL INFORMATION;  
 ; APPLICANT: Mendel Biotechnology, Inc.  
 ; APPLICANT: CREAMAN, Robert A.  
 ; APPLICANT: RATCLIFFE, Oliver  
 ; APPLICANT: KUMIMOTO, Roderick W  
 ; APPLICANT: GUTTERSON, Neal I  
 ; APPLICANT: REUBER, T. Lynne  
 ; APPLICANT: LIBBY, Jeffrey M

; TITLE OF INVENTION: Plant Transcriptional Regulators of Abiotic Stress  
 ; FILE REFERENCE: US-10-838-616-29/c  
 ; Sequence 29, Application US/10838616  
 ; Publication No. US20060008874A1  
 ; CURRENT APPLICATION NUMBER: US/10/838,616  
 ; CURRENT FILING DATE: 2004-05-04  
 ; PRIORITY APPLICATION NUMBER: Stress Related Polypeptides in Plants  
 ; PRIORITY FILING DATE: 2004-04-26  
 ; PRIORITY APPLICATION NUMBER: 10/685,922  
 ; PRIORITY FILING DATE: 2003-10-14  
 ; PRIORITY APPLICATION NUMBER: 09/810,836  
 ; PRIORITY FILING DATE: 2001-03-16  
 ; PRIORITY APPLICATION NUMBER: 10/412,699  
 ; PRIORITY FILING DATE: 2003-04-10  
 ; PRIORITY APPLICATION NUMBER: 10/171,468  
 ; PRIORITY FILING DATE: 2002-06-14  
 ; PRIORITY APPLICATION NUMBER: 09/532,591  
 ; PRIORITY FILING DATE: 2000-03-22  
 ; PRIORITY APPLICATION NUMBER: 09/533,029  
 ; PRIORITY FILING DATE: 2000-03-22  
 ; PRIORITY APPLICATION NUMBER: 09/532,392  
 ; PRIORITY FILING DATE: 2000-03-22  
 ; PRIORITY APPLICATION NUMBER: 09/713,994  
 ; PRIORITY FILING DATE: 1998-03-23  
 ; PRIORITY APPLICATION NUMBER: 09/125,814  
 ; PRIORITY FILING DATE: 2000-11-16  
 ; Remaining Prior Application data removed - See File Wrapper or PAML  
 ; NUMBER OF SEQ ID NOS: 68  
 ; SEQ ID NO 31  
 ; SOFTWARE: PatentIn version 3.2  
 ; LENGTH: 1068  
 ; TYPE: DNA  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: G3389 AP002913 Predicted polypeptide sequence is orthologous to  
 US-10-838-616-31

Alignment Scores:  
 Pred. No.: 3.37e+03 Length: 1068  
 Score: 46.00 Matches: 8  
 Percent Similarity: 81.8% Conservative: 1  
 Best Local Similarity: 72.7% Mismatches: 2  
 Query Match: 52.9% Indels: 0  
 DB: 6  
 DB: 0

SWOP-018-SEQ1 (1-15) x US-10-838-616-31 (1-1068)

Qy 3 GLYProProSerGlyAlaArgArgArgAsnCys 13  
 Db 586 GGAGGCCCTGCTGGAGTCGTCGTAGGTGT 554

RESULT 12  
 US-10-838-616-29/c  
 ; Sequence 29, Application US/10838616  
 ; Publication No. US20060008874A1  
 ; GENERAL INFORMATION;  
 ; APPLICANT: Mendel Biotechnology, Inc.  
 ; APPLICANT: CREAMAN, Robert A.  
 ; APPLICANT: RATCLIFFE, Oliver  
 ; APPLICANT: KUMIMOTO, Roderick W  
 ; APPLICANT: GUTTERSON, Neal I  
 ; APPLICANT: REUBER, T. Lynne  
 ; APPLICANT: LIBBY, Jeffrey M

; TITLE OF INVENTION: Plant Transcriptional Regulators of Abiotic Stress  
 ; FILE REFERENCE: US-10-838-616-29/c  
 ; Sequence 29, Application US/10838616  
 ; Publication No. US20060008874A1  
 ; CURRENT APPLICATION NUMBER: US/10/838,616  
 ; CURRENT FILING DATE: 2004-05-04  
 ; PRIORITY APPLICATION NUMBER: Stress Related Polypeptides in Plants  
 ; PRIORITY FILING DATE: 2004-04-26  
 ; PRIORITY APPLICATION NUMBER: 10/685,922  
 ; PRIORITY FILING DATE: 2003-10-14  
 ; PRIORITY APPLICATION NUMBER: 09/810,836  
 ; PRIORITY FILING DATE: 2001-03-16

```

; PRIOR APPLICATION NUMBER: 10/412,699
; PRIOR FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 56/125,814
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; Remaining Prior Application data removed - See File Wrapper or PML.
; NUMBER OF SEQ ID NOS: 68
; SEQ ID NO 29
; SOFTWARE: PatentIn version 3.2
; LENGTH: 1291
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: G3388 APP002913b GI:12328560 Predicted polypeptide sequence is c
; US-10-838-616-29

Alignment Scores:
Pred. No.: 4.13e+03 Length: 1291
Score: 46.00 Matches: 8
Percent Similarity: 72.7% Conservative: 0
Best Local Similarity: 72.7% Mismatches: 3
Query Match: 52.9% Indels: 0
DB: 6 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-838-616-29 (1-1291)
Qy 3 GlyProProSerGlyAlaArgArgArgArgAlaGlyCys 13
Db 586 GGAGCCCTCGGGAGCTCGSGCTGGTAGTGTG 554

RESULT 13
US-10-750-185-56845/c
; Sequence 56845, Application US/10750185
; Publication No. US20050260603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: ROSENFIELD, David
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56845
; LENGTH: 1778
; TYPE: DNA
; ORGANISM: Bovine
; US-10-750-185-56845

Alignment Scores:
Pred. No.: 5.83e+03 Length: 1778
Score: 46.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 52.9% Indels: 0
DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-750-5623-56845 (1-1778)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
Db 214 CATAGAGGCCACCAGGAGCAAGAGATGCCATGC 176

RESULT 14
US-10-750-623-56845/c
; Sequence 56845, Application US/10750623
; Publication No. US2005028531A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFIELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-1
; CURRENT APPLICATION NUMBER: US/10/750,623
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 56845
; LENGTH: 1778
; Matches: 8
; Percent Similarity: 69.2%
; Best Local Similarity: 61.5%
; Query Match: 52.9%
; DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-750-623-56845 (1-1778)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
Db 214 CATAGAGGCCACCAGGAGCAAGAGATGCCATGC 176

RESULT 15
US-10-750-185-50234
; Sequence 50234, Application US/10750185
; Publication No. US200502660603A1
; GENERAL INFORMATION:
; APPLICANT: MMI GENOMICS, INC.
; APPLICANT: DENISE, Sue K.
; APPLICANT: KERR, Richard
; APPLICANT: ROSENFIELD, David
; APPLICANT: HOLM, Tom
; APPLICANT: BATES, Stephen
; APPLICANT: FANTIN, Dennis
; TITLE OF INVENTION: COMPOSITIONS FOR INFERRING BOVINE TRAITS
; FILE REFERENCE: MM1100-2
; CURRENT APPLICATION NUMBER: US/10/750,185
; CURRENT FILING DATE: 2003-12-31
; PRIOR APPLICATION NUMBER: US 60/437,482
; PRIOR FILING DATE: 2002-12-31
; NUMBER OF SEQ ID NOS: 64922
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 50234
; LENGTH: 2957
; TYPE: DNA
; ORGANISM: Bovine
; US-10-750-185-50234

Alignment Scores:
Pred. No.: 5.83e+03 Length: 1778
Score: 46.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 52.9% Indels: 0
DB: 7 Gaps: 0

```

Pred. No.: 1.01e+04 Length: 2957 ; TYPE: DNA  
 Score: 46.00 Matches: 8 ; ORGANISM: Homo sapiens  
 Percent Similarity: 69.2% US-11-122-329-110  
 Best Local Similarity: 61.5% Conservative: 1  
 Query Match: 52.9% Mismatches: 1  
 DB: 7 Indels: 0  
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-750-185-50234 (1-2957)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 279 TGGAGGGCGCTGGTGGGGCGGGCGCCCTGT 317

RESULT 16  
 US-10-750-623-50234  
 / Sequence 5034, Application US/10750623  
 / Publication No. US20050287531A1

/ GENERAL INFORMATION:  
 / APPLICANT: MMI GENOMICS, INC.  
 / APPLICANT: DENISE, Sue K.  
 / APPLICANT: KERR, Richard  
 / APPLICANT: ROSENFIELD, David  
 / APPLICANT: HOLM, Tom  
 / APPLICANT: BATES, Stephen  
 / APPLICANT: FANTIN, Dennis  
 / TITLE OF INVENTION: METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS  
 / FILE REFERENCE: MMII100-1  
 / CURRENT APPLICATION NUMBER: US/10/750-623  
 / CURRENT FILING DATE: 2003-12-31  
 / PRIOR APPLICATION NUMBER: US 60/437,482  
 / PRIOR FILING DATE: 2002-12-31  
 / NUMBER OF SEQ ID NOS: 64922  
 / SOFTWARE: PatentIN version 3.1  
 / SEQ ID NO: 5034  
 / LENGTH: 2957  
 / TYPE: DNA  
 / ORGANISM: Bovine 19866880580691  
 / US-10-750-623-50234

Alignment Scores:  
 Pred. No.: 1.01e+04 Length: 2957  
 Score: 46.00 Matches: 8  
 Percent Similarity: 69.2% Conservative: 1  
 Best Local Similarity: 61.5% Mismatches: 1  
 Query Match: 52.9% Indels: 0  
 DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-750-623-50234 (1-2957)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 279 TGGAGGGCGCTGGTGGGGCGGGCGCCCTGT 317

RESULT 17  
 US-11-122-329-110  
 / Sequence 110, Application US/11122329  
 / Publication No. US2006019272A1

/ GENERAL INFORMATION:  
 / APPLICANT: Geraci, Mark  
 / APPLICANT: Bull, Todd  
 / APPLICANT: Voelkel, Norbert  
 / APPLICANT: Coldren, Chris  
 / TITLE OF INVENTION: Diagnosis of Disease and Monitoring of Therapy Using Gene Expression Analyses of Peripheral Blood Cells  
 / FILE REFERENCE: 2848-54  
 / CURRENT APPLICATION NUMBER: US/11/122-329  
 / PRIOR APPLICATION NUMBER: 2005-05-03  
 / PRIOR FILING DATE: 2004-05-01  
 / NUMBER OF SEQ ID NOS: 128  
 / SOFTWARE: PatentIN version 3.3  
 / LENGTH: 3490

Alignment Scores:  
 Pred. No.: 1.21e+04 Length: 3490  
 Score: 46.00 Matches: 8  
 Percent Similarity: 90.9% Conservative: 2  
 Best Local Similarity: 72.7% Mismatches: 1  
 Query Match: 52.9% Indels: 0  
 DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-122-329-110 (1-2490)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 2874 AGGGGGGCCACGGCAGCAGGGACAT 2906

RESULT 18  
 US-11-136-527-3727/c  
 / Sequence 3727, Application US/11136527  
 / Publication No. US20050287570A1

/ GENERAL INFORMATION:  
 / APPLICANT: Wyeth  
 / APPLICANT: Mounts, William M  
 / TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
 / FILE REFERENCE: 031896-041000 (AM101086)  
 / CURRENT APPLICATION NUMBER: US/11/136-527  
 / CURRENT FILING DATE: 2005-05-25  
 / PRIOR APPLICATION NUMBER: US 60/574,294  
 / PRIOR FILING DATE: 2005-05-26  
 / NUMBER OF SEQ ID NOS: 362830  
 / SOFTWARE: PatentIN version 3.2  
 / SEQ ID NO: 3727  
 / LENGTH: 6903  
 / TYPE: DNA  
 / ORGANISM: Rattus norvegicus  
 / FEATURE:  
 / NAME/KEY: misc\_feature  
 / LOCATION: (6844)..(6844)  
 / OTHER INFORMATION: n is a, c, g, or t

Alignment Scores:  
 Pred. No.: 2.52e+04 Length: 6903  
 Score: 46.00 Matches: 8  
 Percent Similarity: 76.9% Conservative: 2  
 Best Local Similarity: 61.5% Mismatches: 3  
 Query Match: 52.9% Indels: 0  
 DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-3727 (1-6903)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 1338 TACACTGGACACCTCAGCATGGAAAGCGAACCTGT 1300

RESULT 19  
 US-11-136-527-1990/c  
 / Sequence 1990, Application US/11136527  
 / Publication No. US20050287570A1

/ GENERAL INFORMATION:  
 / APPLICANT: Wyeth  
 / APPLICANT: Mounts, William M  
 / TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
 / FILE REFERENCE: 031896-041000 (AM101086)  
 / CURRENT APPLICATION NUMBER: US/11/136-527  
 / CURRENT FILING DATE: 2005-05-25  
 / PRIOR APPLICATION NUMBER: US 60/574,294  
 / PRIOR FILING DATE: 2005-05-26  
 / NUMBER OF SEQ ID NOS: 362830  
 / SOFTWARE: PatentIN version 3.2  
 / SEQ ID NO: 1990

LENGTH: 7853  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 US-11-136-527-1990

Alignment Scores:  
 Pred. No.: 2.89e+04 Length: 7853  
 Score: 46.00 Matches: 8  
 Percent Similarity: 76.9% Conservative: 2  
 Best Local Similarity: 61.5% Mismatches: 3  
 Query Match: 52.9% Indels: 0  
 DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-1990 (1-7853)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 1832 TACACTGGAAACACCGTCAAGCATGGCAAGCGAAGTGT 1794

RESULT 20  
 US-11-136-527-1981/C  
 ; Sequence 1981, Application US/11136527  
 ; Publication No. US20050287570A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wyeth  
 ; APPLICANT: Mounts, William M  
 ; TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
 ; FILE REFERENCE: 031896-041000 (AM101086)  
 ; CURRENT APPLICATION NUMBER: US/11/136,527  
 ; CURRENT FILING DATE: 2005-05-15  
 ; PRIOR APPLICATION NUMBER: US 60/574,294  
 ; PRIOR FILING DATE: 2005-05-26  
 ; NUMBER OF SBO ID NOS: 362830  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 1981  
 ; LENGTH: 875  
 ; TYPE: DNA  
 ; ORGANISM: Rattus norvegicus  
 US-11-136-527-1981

Alignment Scores:  
 Pred. No.: 3.06e+04 Length: 8275  
 Score: 46.00 Matches: 8  
 Percent Similarity: 76.9% Conservative: 2  
 Best Local Similarity: 61.5% Mismatches: 3  
 Query Match: 52.9% Indels: 0  
 DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-1981 (1-8275)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 1356 TACACTGGAAACACCGTCAAGCATGGCAAGCGAAGTGT 1318

RESULT 21  
 US-10-995-561-13383  
 ; Sequence 13383, Application US/10995561  
 ; Publication No. US20050272054A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CARGILL, Michele et al.  
 ; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF  
 ; TITLE OF INVENTION: DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001559  
 ; CURRENT APPLICATION NUMBER: US/10/995,561  
 ; NUMBER OF SEQ ID NOS: 85702  
 ; SOFTWARE: FASTSEQ for Windows Version 4.0  
 ; SEQ ID NO: 13383  
 ; LENGTH: 88873  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:

; NAME/KEY: misc\_feature  
 ; LOCATION: (1)..(88873)  
 ; OTHER INFORMATION: n = A,T,C or G, or insertion/deletion polymorphism (see Tables 1  
 US-10-995-561-13383

Alignment Scores:  
 Pred. No.: 3.89e+05 Length: 88873  
 Score: 46.00 Matches: 8  
 Percent Similarity: 76.9% Conservative: 2  
 Best Local Similarity: 61.5% Mismatches: 3  
 Query Match: 52.9% Indels: 0  
 DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-995-561-13383 (1-88873)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15  
 Db 45138 GGGCTCTGCAAGGAGGAGGAGGAGGCTGTCATGAA 45176

RESULT 22  
 US-10-838-616-19/C  
 ; Sequence 19, Application US/10838616  
 ; Publication No. US20060008874A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Mendel Biotechnology, Inc.  
 ; APPLICANT: CREELMAN, Robert A  
 ; APPLICANT: RATCLIFFE, Oliver W  
 ; APPLICANT: KUMIMOTO, Roderick W  
 ; APPLICANT: GUTTERSON, Neal I  
 ; APPLICANT: REUBER, T. Lynne  
 ; APPLICANT: LIBBY, Jeffrey M  
 ; TITLE OF INVENTION: Plant Transcriptional Regulators of Abiotic Stress  
 ; FILE REFERENCE: MBI-0069CIP  
 ; CURRENT APPLICATION NUMBER: US/10/838,616  
 ; PRIOR APPLICATION NUMBER: Stress-Related Polypeptides in Plants  
 ; PRIOR FILING DATE: 2004-05-04  
 ; PRIOR FILING DATE: 2004-04-26  
 ; PRIOR FILING DATE: 2003-10-14  
 ; PRIOR FILING DATE: 2001-03-16  
 ; PRIOR FILING DATE: 2001-03-16  
 ; PRIOR FILING DATE: 2003-10/412,699  
 ; PRIOR FILING DATE: 2003-04-10  
 ; PRIOR FILING DATE: 2002-06-14  
 ; PRIOR FILING DATE: 2000-03-22  
 ; PRIOR FILING DATE: 1999-03-23  
 ; PRIOR FILING DATE: 1999-03-23  
 ; PRIOR FILING DATE: 2000-11-16  
 ; Remaining Prior Application data removed - See File Wrapper or PALM.  
 ; NUMBER OF SEQ ID NOS: 68  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 19  
 ; LENGTH: 1067  
 ; TYPE: DNA  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G9  
 US-10-838-616-19

Alignment Scores:  
 Pred. No.: 4.74e+03 Length: 1067  
 Score: 45.00 Matches: 8  
 Percent Similarity: 72.7% Conservative: 0  
 Best Local Similarity: 72.7% Mismatches: 3  
 Query Match: 51.7% Indels: 0  
 DB: 6 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-838-616-19 (1-1067)

Qy 3 GlyProProSerGlyAlaLysArgArgArgAsnCys 13

Db 605 GGAGGCCCTGGAGCTCTCGGCTAACTAC 573

RESULT 23

US-10-826-585-15

Sequence 15, Application US/10826585

Publication No. US20060008807A1

GENERAL INFORMATION:

APPLICANT: Immunivest Corporation

APPLICANT: O'Hara, Shawn Mark

APPLICANT: Polak, Brad

APPLICANT: Zweitzig, Daniel

TITLE OF INVENTION: Multiparameter analysis of comprehensive nucleic acids and molecular features on the same sample

FILE REFERENCE: IMMC 143 PCT/US

CURRENT APPLICATION NUMBER: US/10/826,585

CURRENT FILING DATE: 2004-04-16

PRIOR APPLICATION NUMBER: 60/369945

PRIOR FILING DATE: 2002-04-04

PRIOR APPLICATION NUMBER: 60/330669

PRIOR FILING DATE: 2002-11-26

PRIOR APPLICATION NUMBER: PCT/US02/26867

PRIOR FILING DATE: 2002-08-23

NUMBER OF SEQ ID NOS: 131

SEQ ID NO: 15

LENGTH: 1817

TYPE: DNA

ORGANISM: Human

US-10-826-585-15

Alignment Scores:

Pred. No.: 8.41e+03 Length: 1817

Score: 45.00 Matches: 9

Percent Similarity: 64.3% Conservative: 0

Best Local Similarity: 64.3%

Query Match: 51.7%

DB: 1146 TACTTACCGCCCTCTGGAGGAGACGTAAACTAC 1187

SWOP-018-SEQ1 (1-15) x US-11-178-134-5 (1-1817)

Qy 1 TyrSerGlyProProSerGlyAlaLysArgArgAsnCysTyr 14

Db 1146 TACTTACCGCCCTCTGGAGGAGACGTAAACTAC 1187

RESULT 25

US-11-120-351A-1

Sequence 1, Application US/11120351A

Publication No. US20050262506A1

GENERAL INFORMATION:

APPLICANT: GIDEKEL, Manuel

TITLE OF INVENTION: Low temperature responsive nucleotide sequences and uses thereof

FILE REFERENCE: Nitrogen Low Temperature

CURRENT APPLICATION NUMBER: US/11/120,351A

CURRENT FILING DATE: 2005-05-02

PRIOR APPLICATION NUMBER: 60/567,135

PRIOR FILING DATE: 2004-04-30

PRIOR APPLICATION NUMBER: 60/567,125

PRIOR FILING DATE: 2004-05-02

NUMBER OF SEQ ID NOS: 13

SEQ ID NO: 1

LENGTH: 1920

TYPE: DNA

ORGANISM: Deschampsia antarctica

FEATURE: Promoter

NAME/KEY: Promoter

LOCATION: (1) .. (1089)

FEATURE: misc feature

NAME/KEY: 5' UTR

LOCATION: (1089) .. (1209)

FEATURE: misc feature

NAME/KEY: misc feature

LOCATION: (1209) .. (1920)

OTHER INFORMATION: coding sequence plus poly-A tail

US-11-120-351A-1

Alignment Scores:

Pred. No.: 8.92e+03 Length: 1920

Score: 45.00 Matches: 7

Percent Similarity: 75.0%

Best Local Similarity: 58.3%

Query Match: 51.7%

DB: 1118 GCCTCGCCGCAACGGAGGAGAGATGCG 1213

SWOP-018-SEQ1 (1-15) x US-11-120-351A-1 (1-1920)

Qy 2 SerGlyProProSerGlyAlaLysArgArgAsnCys 13

Db 1118 GCCTCGCCGCAACGGAGGAGAGATGCG 1213

RESULT 26

US-11-121-086-1/C

Sequence 1, Application US/11121086

Publication No. US2005026659A1

GENERAL INFORMATION:

APPLICANT: POULSEN, Tim S.

APPLICANT: NIELSEN, KIRSTEN V.

TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES

FILE REFERENCE: 030160

CURRENT APPLICATION NUMBER: US/11/178,134

CURRENT FILING DATE: 2005-07-08

PRIOR APPLICATION NUMBER: 60/586,599

PRIOR FILING DATE: 2004-07-09

PRIOR APPLICATION NUMBER: 60/587,019

NUMBER OF SEQ ID NOS: 40

SOFTWARE: PatentIn version 3.3

SEQ ID NO: 5

```

; FILE REFERENCE: 09138-6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; PRIORITY FILING DATE: 2005-05-04
; PRIORITY APPLICATION NUMBER: 60/567,570
; PRIORITY FILING DATE: 2004-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 1
; LENGTH: 126552
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-1

Alignment Scores:
Pred. No.: 7.89e+05 Length: 126552
Score: 45.00 Matches: 8
Percent Similarity: 61.5% Conservative: 0
Best Local Similarity: 61.5% Mismatches: 5
Query Match: 51.7% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-121-086-1 (1-191684)
Qy 2 SerGlyProProSerGlyAlaArgArg 10
Db 47745 ACGGCCGCCCTAGGGCGAGCGGG 47771

RESULT 29
US-10-995-561-63977
; Sequence 63977, Application US/10995561
; Publication No. US2005027205A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 63977
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-63977

Alignment Scores:
Pred. No.: 1.21e+06 Length: 191684
Score: 45.00 Matches: 8
Percent Similarity: 100.0% Conservative: 1
Best Local Similarity: 88.9% Mismatches: 0
Query Match: 51.7% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-121-086-2 (1-191684)
Qy 2 SerGlyProProSerGlyAlaArgArg 10
Db 47745 ACGGCCGCCCTAGGGCGAGCGGG 47771

RESULT 29
US-10-995-561-63977
; Sequence 63977, Application US/10995561
; Publication No. US2005027205A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFERENCE: CL001559
; CURRENT FILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 85702
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 63977
; LENGTH: 201
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-995-561-63977

Alignment Scores:
Pred. No.: 1.1e+03 Length: 201
Score: 44.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 50.6% Indels: 0
DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-995-561-63977 (1-201)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13
Db 127 TACCGGGTACCCACGGCTGCGCTGCGTCATGT 165

RESULT 30
US-11-124-3678-1731/c
; Sequence 1731, Application US/11124167A
; Publication No. US20060024700A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; TITLE OF INVENTION: Genetic Polymorphisms Associated with Fibroblast Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001519.ORD
; CURRENT FILING DATE: 2005-05-09
; PRIORITY APPLICATION NUMBER: US/11/124,367A
; PRIORITY FILING DATE: 2004-05-07
; PRIORITY APPLICATION NUMBER: US 60/568,846
; CURRENT FILING DATE: 2005-05-04
; PRIORITY APPLICATION NUMBER: US 60/582,609

RESULT 28
US-11-121-086-2
; Sequence 2, Application US/11121086
; Publication No. US20050266459A1
; GENERAL INFORMATION:
; APPLICANT: NIELSEN, KIRSTEN V.
; TITLE OF INVENTION: NUCLEIC ACID PROBES AND NUCLEIC ACID ANALOG PROBES
; FILE REFERENCE: 09138-6000-00000
; CURRENT APPLICATION NUMBER: US/11/121,086
; CURRENT FILING DATE: 2005-05-04
; NUMBER OF SEQ ID NOS: 107
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 66
; LENGTH: 163162
; TYPE: DNA
; ORGANISM: Homo sapiens
US-11-121-086-66

Alignment Scores:
Pred. No.: 1.03e+06 Length: 163162
Score: 45.00 Matches: 8
Percent Similarity: 66.7% Conservative: 0
Best Local Similarity: 66.7% Mismatches: 4
Query Match: 51.7% Indels: 0
DB: 11 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-121-086-66 (1-163162)
Qy 3 GlyProProSerGlyAlaArgArgAsnCysTyr 14
Db 54738 GCCCCACCTCTCCAGGATGCCCTGCTAC 54773

```

PRIOR FILING DATE: 2004-06-25  
 PRIOR APPLICATION NUMBER: US 60/599,554  
 PRIOR FILING DATE: 2004-08-19  
 NUMBER OF SEQ ID NOS: 34460  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1731  
 LENGTH: 201  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-11-124-367A-1731

Alignment Scores:  
 Pred. No.: 1.1e+03 Length: 201  
 Score: 44.00 Matches: 7  
 Percent Similarity: 72.7% Conservative: 1  
 Best Local Similarity: 63.6% Mismatches: 3  
 Query Match: 50.6% Indels: 0  
 DB: 11 GGCCTCCAGGGACACGGGAACTGGCTTGCGTTGCG 169

RESULT 31  
 US-11-124-367A-1741 (1-15) x US-11-124-367A-1731 (1-201)  
 Sequence 1741, Application US/11/124367A  
 Publication No. US20060024700A1  
 GENERAL INFORMATION:  
 APPLICANT: Michele Cargill  
 APPLICANT: Hongjin Huang  
 TITLE OF INVENTION: Generic Polymorphisms Associated with  
 TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
 FILE REFERENCE: CL001519.ORD  
 CURRENT APPLICATION NUMBER: US/11/124367A  
 PRIOR APPLICATION NUMBER: US 60/568,846  
 PRIOR FILING DATE: 2005-05-09  
 PRIOR APPLICATION NUMBER: US 60/568,609  
 PRIOR FILING DATE: 2004-06-25  
 PRIOR APPLICATION NUMBER: US 60/599,554  
 PRIOR FILING DATE: 2004-08-09  
 NUMBER OF SEQ ID NOS: 34460  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 1741  
 LENGTH: 201  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-11-124-367A-1741

Alignment Scores:  
 Pred. No.: 1.1e+03 Length: 201  
 Score: 44.00 Matches: 7  
 Percent Similarity: 72.7% Conservative: 1  
 Best Local Similarity: 63.6% Mismatches: 3  
 Query Match: 50.6% Indels: 0  
 DB: 11 GGCCTCCAGGGACACGGGAACTGGCTTGCGTTGCG 169

RESULT 32  
 US-11-124-367A-1750/C  
 Sequence 1750, Application US/11/124367A  
 Publication No. US20060024700A1  
 GENERAL INFORMATION:  
 APPLICANT: Michele Cargill  
 APPLICANT: Hongjin Huang  
 TITLE OF INVENTION: Generic Polymorphisms Associated with

; TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
 ; FILE REFERENCE: CL001519.ORD  
 ; CURRENT APPLICATION NUMBER: US/11/124-367A  
 ; CURRENT FILING DATE: 2005-05-09  
 ; PRIOR APPLICATION NUMBER: US 60/568,846  
 ; PRIOR FILING DATE: 2004-05-07  
 ; PRIOR APPLICATION NUMBER: US 60/582,609  
 ; PRIOR FILING DATE: 2004-06-25  
 ; PRIOR APPLICATION NUMBER: US 60/599,554  
 ; PRIOR FILING DATE: 2004-08-09  
 ; NUMBER OF SEQ ID NOS: 34460  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 1750  
 ; LENGTH: 201  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-11-124-367A-1750  
 Alignment Scores:  
 Pred. No.: 1.1e+03 Length: 201  
 Score: 44.00 Matches: 7  
 Percent Similarity: 72.7% Conservative: 1  
 Best Local Similarity: 63.6% Mismatches: 3  
 Query Match: 50.6% Indels: 0  
 DB: 11 GGCCTCCAGGGACACGGGAACTGGCTTGCGTTGCG 169

RESULT 33  
 US-10-467-657-2637  
 Sequence 2637, Application US/10467657  
 Publication No. US20050260581A1  
 GENERAL INFORMATION:  
 APPLICANT: CHIRON SPA  
 APPLICANT: FONTANA, Maria Rita  
 APPLICANT: PIZZA, Mariagrazia  
 APPLICANT: MASIGNANI, Vega  
 APPLICANT: MONACI, Elisabetta  
 TITLE OF INVENTION: GONOCOCAL PROTEINS AND NUCLEIC ACIDS  
 FILE REFERENCE:  
 CURRENT APPLICATION NUMBER: US/10/467,657  
 CURRENT FILING DATE: 2005-08-11  
 PRIOR APPLICATION NUMBER: GB-0103424.8  
 PRIOR FILING DATE: 2001-02-12  
 NUMBER OF SEQ ID NOS: 9218  
 SOFTWARE: Seqwin99, version 1.04  
 SEQ ID NO: 2637  
 LENGTH: 732  
 TYPE: DNA  
 ORGANISM: Neisseria gonorrhoeae  
 US-10-467-657-2637

Alignment Scores:  
 Pred. No.: 4.45e+03 Length: 732  
 Score: 44.00 Matches: 7  
 Percent Similarity: 81.8% Conservative: 2  
 Best Local Similarity: 63.6% Mismatches: 2  
 Query Match: 50.6% Indels: 0  
 DB: 7 Sequence 151, Application US/11055822  
 SWOP-018-SEQ1 (1-15) x US-10-467-657-2637 (1-732)

Qy 4 ProProSerGlyAlaArgArgArgAsnCysTyr 14  
 Db 477 CCAAAATCAGGCAAAGAGGGAAACAGCTT 509

RESULT 34  
 US-11-055-822-151  
 Sequence 151, Application US/11055822



RESULT 38  
 TITLE OF INVENTION: Fibrosis Methods of Detection and Uses Thereof  
 FILE REFERENCE: CL001519.ORD  
 CURRENT APPLICATION NUMBER: US-11-124-367A  
 CURRENT FILING DATE: 2005-05-09  
 PRIORITY NUMBER: US 60/568, 846  
 PRIORITY FILING DATE: 2004-05-07  
 PRIORITY APPLICATION NUMBER: US 60/582, 609  
 PRIORITY FILING DATE: 2004-06-25  
 PRIORITY APPLICATION NUMBER: US 60/599, 554  
 PRIORITY FILING DATE: 2004-08-09  
 NUMBER OF SEQ ID NOS: 34450  
 SOFTWARE: PastSEQ for Windows Version 4.0  
 SEQ ID NO: 99  
 LENGTH: 2595  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-11-124-367A-99

Alignment Scores:  
 Pred. No.: 1.74e+04 Length: 2595  
 Score: 44.00 Matches: 7  
 Percent Similarity: 72.7% Conservative: 1  
 Best Local Similarity: 63.6% Mismatches: 3  
 Query Match: 50.6% DB:  
 DB: 50.6% Indels: 0  
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-124-367A-99 (1-2595)  
 Qy 3 GlyProProSerGlyAlaArgArgArgArgArgCys 13  
 Db 1612 GGGCCTCAGCAGGAGACAGCCGTTGCGTGC 1580

RESULT 39  
 TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
 FILE REFERENCE: 031896-041000 (AM101086)  
 CURRENT APPLICATION NUMBER: US-11-136-527  
 CURRENT FILING DATE: 2005-05-25  
 PRIORITY NUMBER: US 60/574, 294  
 PRIORITY FILING DATE: 2005-05-26  
 NUMBER OF SEQ ID NOS: 362830  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 2395  
 LENGTH: 6384  
 TYPE: DNA  
 ORGANISM: Rattus norvegicus  
 US-11-136-527-2395

Alignment Scores:  
 Pred. No.: 4.59e+04 Length: 6384  
 Score: 44.00 Matches: 7  
 Percent Similarity: 72.7% Conservative: 1  
 Best Local Similarity: 63.6% Mismatches: 3  
 Query Match: 50.6% DB:  
 DB: 50.6% Indels: 0  
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-2395 (1-6384)  
 Qy 4 ProProSerGlyAlaArgArgArgArgArgCysTyr 14  
 Db 30 CCGCCGTTGACCCGCCGCCGCCGCTGCCAT 62

RESULT 40  
 TITLE OF INVENTION: Application US-10995561  
 FILE REFERENCE: 133368 Application US-10995561  
 CURRENT APPLICATION NUMBER: US-10995561  
 CURRENT FILING DATE: 2004-11-24  
 NUMBER OF SEQ ID NOS: 85702  
 SOFTWARE: PastSEQ for Windows Version 4.0  
 SEQ ID NO: 13368  
 LENGTH: 70513  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-995-561-13368

Alignment Scores:  
 Pred. No.: 5.97e+05 Length: 70513  
 Score: 44.00 Matches: 8  
 Percent Similarity: 69.2% Conservative: 1  
 Best Local Similarity: 61.5% Mismatches: 4  
 Query Match: 50.6% DB:  
 DB: 50.6% Indels: 0  
 Gaps: 7

SWOP-018-SEQ1 (1-15) x US-10-995-561-13368 (1-70513)  
 Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgArgCys 13  
 Db 36258 TACACGGGTACCCACGGGAGGACACACTGT 36296

Search completed: February 13, 2006, 18:07:51  
 Job time : 434 secs

RESULT 39  
 TITLE OF INVENTION: Probe Arrays For Expression Profiling of Rat Genes  
 FILE REFERENCE: 031896-041000 (AM101086)  
 CURRENT APPLICATION NUMBER: US-11-136-527-2395  
 CURRENT FILING DATE: 2005-05-25  
 PRIORITY NUMBER: US 60/574, 294  
 PRIORITY FILING DATE: 2005-05-26  
 NUMBER OF SEQ ID NOS: 362830  
 SOFTWARE: PatentIn version 3.2  
 SEQ ID NO: 2395  
 LENGTH: 6384  
 TYPE: DNA  
 ORGANISM: Rattus norvegicus  
 US-11-136-527-2395

Alignment Scores:  
 Pred. No.: 3.6e+04 Length: 5093  
 Score: 44.00 Matches: 7  
 Percent Similarity: 58.3% Conservative: 2  
 Best Local Similarity: 50.6% Mismatches: 3  
 Query Match: 50.6% DB:  
 DB: 50.6% Indels: 0  
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-136-527-2393 (1-5093)  
 Qy 2 SerGlyProProSerGlyAlaArgArgArgArgCys 13  
 Db 3224 ACTGGCCCTCCGAGGGCCAGGACACACTGT 3189

RESULT 39  
 TITLE OF INVENTION: Application US-11136527  
 FILE REFERENCE: 133368 Application US-10995561  
 CURRENT APPLICATION NUMBER: US-10995561  
 CURRENT FILING DATE: 2004-11-24  
 NUMBER OF SEQ ID NOS: 85702  
 SOFTWARE: PastSEQ for Windows Version 4.0  
 SEQ ID NO: 13368  
 LENGTH: 70513  
 TYPE: DNA  
 ORGANISM: Homo sapiens  
 US-10-995-561-13368

Alignment Scores:  
 Pred. No.: 5.97e+05 Length: 70513  
 Score: 44.00 Matches: 8  
 Percent Similarity: 69.2% Conservative: 1  
 Best Local Similarity: 61.5% Mismatches: 4  
 Query Match: 50.6% DB:  
 DB: 50.6% Indels: 0  
 Gaps: 7

SWOP-018-SEQ1 (1-15) x US-10-995-561-13368 (1-70513)  
 Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgArgCys 13  
 Db 36258 TACACGGGTACCCACGGGAGGACACACTGT 36296

GenCore version 5.1.7  
 Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 13, 2006, 17:44:48 ; Search time 798 Seconds  
 (without alignments)  
 155.439 Million cell updates/sec

Title: SWOP-018-SEQ1  
 Perfect score: 87  
 Sequence: 1 yggppgarrnrye 15

Scoring table: BLOSUM62  
 Xgapext 0.0 Xgapext 0.5  
 Ygapext 10.0 Ygapext 0.5  
 Fgapop 6.0 Fgapext 7.0  
 Delop 6.0 Delext 7.0

Searched: 9793542 seqs, 4134689005 residues

Total number of hits satisfying chosen parameters: 19587084

Minimum DB seq length: 0  
 Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Command line parameters:  
 -MODEL=frame+P2n.model -DEV=x1P  
 -O=abs/ABSSWEP\_spool/SHOP08964/runat10022006143756512/app query.fasta\_1  
 -PB=Published Applications NA\_Main -QWTF=fasrap -SUFFIX=rnpbm -NINNMATCH=0.1  
 -LOOPBLT=0 -LOOPBEXT=0 -UNITS=bts -START=1 -END=1 -MATRIX=b10sun62  
 -TRANS=human40 cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100  
 -THR MIN=0 ALIGN=40 -MODE=LOCAL -OUTFILE=pto -NORM=EXT -MINLEN=0  
 -MAXLEN=2000000000 -HOST=absb0908P  
 -USER=SWOP018964 @CNC 1 1549 @runat10022006143756512 -NCPU=6 -ICPU=3  
 -NO MMAP -NEG SCORES=0 -WAIT DSBLOCK=0 -DEY TIMEOUT=120  
 -WARN TIMEOUT=30 -THREADS=1 -XGAP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7  
 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA\_Main:  
 1: /cgn2\_6/pcodata/1/pubpna/us07\_PUBCOMB.seq:  
 2: /cgn2\_6/pcodata/1/pubpna/us08\_PUBCOMB.seq:  
 3: /cgn2\_6/pcodata/1/pubpna/us09\_PUBCOMB.seq:  
 4: /cgn2\_6/pcodata/1/pubpna/us09B\_PUBCOMB.seq:  
 5: /cgn2\_6/pcodata/1/pubpna/us10\_PUBCOMB.seq:  
 6: /cgn2\_6/pcodata/1/pubpna/us10B\_PUBCOMB.seq:  
 7: /cgn2\_6/pcodata/1/pubpna/us10C\_PUBCOMB.seq:  
 8: /cgn2\_6/pcodata/1/pubpna/us10D\_PUBCOMB.seq:  
 9: /cgn2\_6/pcodata/1/pubpna/us10E\_PUBCOMB.seq:  
 10: /cgn2\_6/pcodata/1/pubpna/us11\_PUBCOMB.seq:  
 \* \* \* \* \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query | Match | Length | DB ID                | Description        |
|------------|-------|-------|-------|--------|----------------------|--------------------|
| 1          | 87    | 100.0 | 2480  | 5      | US-10-157-031-400    | Sequence 400, APP  |
| 2          | 87    | 100.0 | 2744  | 8      | US-10-733-860-7932   | Sequence 7932, APP |
| 3          | 87    | 100.0 | 3025  | 8      | US-10-473-126-45     | Sequence 45, APP   |
| 4          | 64    | 73.6  | 3025  | 8      | US-10-473-126-183    | Sequence 183, APP  |
| 5          | 63    | 72.4  | 1849  | 9      | US-10-432-901-7      | Sequence 7, APP    |
| c          | 66    | 64.4  | 3025  | 8      | US-10-473-126-184    | Sequence 184, APP  |
| 7          | 53    | 60.9  | 461   | 8      | US-10-425-115-124483 | Sequence 124483,   |

SWOP-018-SEQ1 (1-15) x US-10-157-031-400 (1-2480)

ALIGNMENTS

| Result | Score | Length | DB ID | Description          |
|--------|-------|--------|-------|----------------------|
| 1      | 53    | 60.9   | 1349  | US-10-764-420-2046   |
|        | c     | 8      | 542   | Sequence 2046, APP   |
|        | c     | 9      | 59.8  | Sequence 12548, APP  |
|        | c     | 10     | 59.8  | Sequence 71829, APP  |
|        | c     | 11     | 52    | Sequence 13812, APP  |
|        | c     | 12     | 59.8  | Sequence 3109, APP   |
|        | c     | 13     | 51    | Sequence 3111, APP   |
|        | c     | 14     | 51    | Sequence 2252, APP   |
|        | c     | 15     | 51    | Sequence 1252, APP   |
|        | c     | 16     | 51    | Sequence 1252, APP   |
|        | c     | 17     | 51    | Sequence 6252, APP   |
|        | c     | 18     | 51    | Sequence 7794, APP   |
|        | c     | 19     | 51    | Sequence 48056, APP  |
|        | c     | 20     | 51    | Sequence 5252, APP   |
|        | c     | 21     | 51    | Sequence 1, APP      |
|        | c     | 22     | 51    | Sequence 1, APP      |
|        | c     | 23     | 51    | Sequence 1, APP      |
|        | c     | 24     | 51    | Sequence 6651, APP   |
|        | c     | 25     | 51    | Sequence 285, APP    |
|        | c     | 26     | 50    | Sequence 53450, APP  |
|        | c     | 27     | 50    | Sequence 112349, APP |
|        | c     | 28     | 50    | Sequence 84486, APP  |
|        | c     | 29     | 50    | Sequence 65811, APP  |
|        | c     | 30     | 50    | Sequence 75153, APP  |
|        | c     | 31     | 50    | Sequence 11, APP     |
|        | c     | 32     | 50    | Sequence 376, APP    |
|        | c     | 33     | 50    | Sequence 96, APP     |
|        | c     | 34     | 50    | Sequence 5073, APP   |
|        | c     | 35     | 50    | Sequence 1140, APP   |
|        | c     | 36     | 50    | Sequence 12, APP     |
|        | c     | 37     | 50    | Sequence 4, APP      |
|        | c     | 38     | 50    | Sequence 1, APP      |
|        | c     | 39     | 50    | Sequence 129806, APP |
|        | c     | 40     | 49    | Sequence 15225, APP  |
|        | c     | 41     | 49    | Sequence 102582, APP |
|        | c     | 42     | 49    | Sequence 3077, APP   |
|        | c     | 43     | 49    | Sequence 46584, APP  |
|        | c     | 44     | 49    | Sequence 46585, APP  |

RESULT 1

; Segmentation ID: US10157-031-400

; Publication No: US20030108890A1

; General Information:

;   APPLICANT: Baranova, A. V.

;   APPLICANT: Yankovsky, N. K.

;   APPLICANT: Kozlov, A. P.

;   APPLICANT: Lobashev, A. V.

;   APPLICANT: Kravtovskaya, L. L.

;   TITLE OF INVENTION: In silico screening for phenotype-associated expressed sequence

;   FILE REFERENCE: 276-0-103

;   CURRENT APPLICATION NUMBER: US/10/157,031

;   CURRENT FILING DATE: 2002-05-30

;   NUMBER OF SEQ ID NOS: 415

;   SOFTWARE: PatentIn version 3.1

;   SEQ ID NO: 400

;   LENGTH: 2480

;   TYPE: DNA

;   ORGANISM: Homo sapiens

US-10-157-031-00

Alignment Scores:

| Pred. No.: | Score: | Length: | Matches: | Conservative: |
|------------|--------|---------|----------|---------------|
| 1          | 87     | 87.00   | 15       | 0             |
| 2          | 87     | 100.0%  | 0        | 0             |
| 3          | 87     | 100.0%  | 100.0%   | 0             |
| 4          | 64     | 73.6    | 5        | 0             |
| 5          | 63     | 72.4    | 0        | 0             |
| c          | 66     | 64.4    | 5        | 0             |
| 7          | 53     | 60.9    | 0        | 0             |

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyrGlu 15  
 Db 850 TACGGGCCCGAGGGCGCCGCGGAACCTGCTACGAA 894

RESULT 2  
 US-10-723-860-7932  
 ; Sequence 7932, Application US-10723860  
 ; Publication No. US20040233606A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Azz, Natasha  
 ; APPLICANT: Zltnik, Albert M.  
 ; TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Compositions & Tissue Modulators  
 ; FILE REFERENCE: 05/882,0193.NPUS01  
 ; CURRENT APPLICATION NUMBER: US-10/723,860  
 ; PRIORITY NUMBER: 2003-11-26  
 ; PRIOR APPLICATION NUMBER: 60/429,739  
 ; PRIOR FILING DATE: 2002-11-26  
 ; NUMBER OF SEQ ID NOS: 6393  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 7932  
 ; LENGTH: 2744  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (2334)..(2743)  
 ; OTHER INFORMATION: n is a, c, g, or t  
 US-10-723-860-7932

Alignment Scores:  
 Pred. No.: 0.000395 Length: 2744  
 Score: 87.00 Matches: 15  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 100.0% Indels: 0  
 DB: 8 0  
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-473-126-183 (1-3025)  
 US-10-473-126-183  
 ; Sequence 126, Application US-10473126  
 ; Publication No. US20040234973A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: The Government of the United States of America, as represented by the Secretary of Health and Human Services  
 ; APPLICANT: Sartorelli, Vittorio  
 ; APPLICANT: Puric, Pier  
 ; TITLE OF INVENTION: METHODS OF USING DEACETYLASE INHIBITORS TO PROMOTE CELL DIFFERENTIATION AND REGENERATION  
 ; FILE REFERENCE: 4239-679/9  
 ; CURRENT APPLICATION NUMBER: US-10/492,901  
 ; PRIORITY NUMBER: US 60/343,854  
 ; PRIOR FILING DATE: 2004-04-15  
 ; PRIOR APPLICATION NUMBER: US 60/335,705  
 ; PRIORITY NUMBER: 2001-10-25  
 ; PRIOR FILING DATE: 2001-10-18  
 ; NUMBER OF SEQ ID NOS: 14  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 7  
 ; LENGTH: 1849  
 ; TYPE: DNA  
 ; ORGANISM: Mus musculus

US-10-473-126-45  
 ; Sequence 45, Application US-10473126  
 ; Publication No. US20040234973A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Epigenomics AG  
 ; TITLE OF INVENTION: Methods and nucleic acids for the analysis of hematopoietic cell  
 ; TITLE OF INVENTION: proliferative disorders  
 ; FILE REFERENCE:  
 ; CURRENT APPLICATION NUMBER: US-10/473,126  
 ; CURRENT FILING DATE: 2003-09-26  
 ; NUMBER OF SEQ ID NOS: 1258  
 ; SEQ ID NO: 45  
 ; LENGTH: 3025  
 ; TYPE: DNA  
 ; ORGANISM: Homo Sapiens  
 US-10-473-126-45

Alignment Scores:  
 Pred. No.: 0.000435 Length: 3025  
 Score: 87.00 Matches: 15  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 100.0% Indels: 0  
 DB: 8 0  
 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-473-126-45 (1-3025)

SWOP-018-SEQ1 (1-15) x US-10-492-901-7 (1-1849)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCystyrglu 15

Db 825 TACAGGGCCCCAACGGCCCCAGCAGATGGCTACGAC 869

RESULT 6

US-10-473-126-184/c

; Sequence 184, Application US/10473126

; Publication No. US20040234973A1

; GENERAL INFORMATION:

; APPLICANT: Epigenomics AG

; TITLE OF INVENTION: Methods and nucleic acids for the analysis of hematopoietic cell

; TITLE OF INVENTION: proliferative disorders

; FILE REFERENCE:

; CURRENT APPLICATION NUMBER: US/10/473,126

; CURRENT FILING DATE: 2003-09-26

; NUMBER OF SEQ ID NOS: 1258

; SEQ ID NO: 184

; LENGTH: 3025

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)

US-10-473-126-184

Alignment Scores:

|                        |       |               |      |
|------------------------|-------|---------------|------|
| Pred. No.:             | 59.3  | Length:       | 3025 |
| Score:                 | 56.00 | Matches:      | 10   |
| Percent Similarity:    | 80.0% | Conservative: | 2    |
| Best Local Similarity: | 66.7% | Mismatches:   | 3    |
| Query Match:           | 64.4% | Indels:       | 0    |
| DB:                    | 8     | Gaps:         | 0    |

SWOP-018-SEQ1 (1-15) x US-10-473-126-184 (1-3025)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCystyrglu 15

Db 1265 TACAAGGACCCCCGAAAGCAGCCCCAGCAACTACAGAA 1221

RESULT 7

US-10-425-115-124483

; Sequence 124483, Application US/10425115

; GENERAL INFORMATION:

; APPLICANT: La Rosa, Thomas J.

; APPLICANT: Kovalic, David K.

; APPLICANT: Zhou, Yihua

; APPLICANT: Cao, Yongwei

; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

; TITLE OF INVENTION: Plants

; FILE REFERENCE: 38-21(53222)B

; CURRENT APPLICATION NUMBER: US/10/425,115

; CURRENT FILING DATE: 2003-04-28

; NUMBER OF SEQ ID NOS: 369326

; SEQ ID NO: 124483

; LENGTH: 461

; TYPE: DNA

; FEATURE:

; OTHER INFORMATION: Clone ID: MRT4577\_45006C.1

US-10-425-115-124483

Alignment Scores:

|                        |       |               |     |
|------------------------|-------|---------------|-----|
| Pred. No.:             | 28.7  | Length:       | 461 |
| Score:                 | 53.00 | Matches:      | 9   |
| Percent Similarity:    | 90.0% | Conservative: | 0   |
| Best Local Similarity: | 90.0% | Mismatches:   | 1   |
| Query Match:           | 60.9% | Indels:       | 0   |
| DB:                    | 8     | Gaps:         | 0   |

SWOP-018-SEQ1 (1-15) x US-10-425-115-124483 (1-461)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13

Db 313 CCGCGTCGGAGGCGACCGAACCTGC 342

RESULT 8

US-10-764-420-2046/c

; Sequence 2046, Application US/10764420

; Publication No. US200500504872A1

; GENERAL INFORMATION:

; APPLICANT: Lum, Pek Yee

; APPLICANT: Tam, Yejun

; APPLICANT: Dai, Hongyue

; TITLE OF INVENTION: Methods For Determining Whether An Agent Possesses A Defined Biological Activity

; FILE REFERENCE: ROSA122057

; CURRENT APPLICATION NUMBER: US/10/764,420

; CURRENT FILING DATE: 2004-01-23

; PRIORITY NUMBER: US 60/442,797

; PRIORITY FILING DATE: 2003-01-24

; PRIORITY APPLICATION NUMBER: US 60/474,413

; PRIORITY FILING DATE: 2003-05-30

; NUMBER OF SEQ ID NOS: 3653

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO: 2046

; LENGTH: 1349

; TYPE: DNA

; ORGANISM: Mus musculus

US-10-764-420-2046

Alignment Scores:

|                        |       |               |      |
|------------------------|-------|---------------|------|
| Pred. No.:             | 83.4  | Length:       | 1349 |
| Score:                 | 53.00 | Matches:      | 9    |
| Percent Similarity:    | 84.6% | Conservative: | 2    |
| Best Local Similarity: | 69.2% | Mismatches:   | 2    |
| Query Match:           | 60.9% | Indels:       | 0    |
| DB:                    | 9     | Gaps:         | 0    |

SWOP-018-SEQ1 (1-15) x US-10-764-420-2046 (1-1349)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCys 13

Db 65 TGGTCGGCGCTCCCTAGGGCGCCGAGGGCCCTGC 27

RESULT 9

US-10-357-930-12548/C

; Sequence 12548, Application US/10357930

; Publication No. US20040259086A1

; GENERAL INFORMATION:

; APPLICANT: Schlegel, Robert

; APPLICANT: Endgege, Wilson

; APPLICANT: Monahan, John

; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF HUMAN PROSTATE CANCER

; FILE REFERENCE: MRI-007BCN

; CURRENT APPLICATION NUMBER: US/10/357,930

; CURRENT FILING DATE: 2003-02-04

; PRIORITY NUMBER: 60/189,862

; PRIORITY FILING DATE: 2000-03-16

; PRIORITY APPLICATION NUMBER: 60/207,454

; PRIORITY FILING DATE: 2003-02-16

; PRIORITY APPLICATION NUMBER: 60/183,319

; PRIORITY FILING DATE: 2000-02-17

; PRIORITY APPLICATION NUMBER: 60/189,862

; PRIORITY FILING DATE: 2000-03-16

; PRIORITY APPLICATION NUMBER: 60/207,454

; PRIORITY FILING DATE: 2000-05-25

; PRIORITY APPLICATION NUMBER: 60/211,314

; PRIORITY FILING DATE: 2000-06-09

; PRIORITY APPLICATION NUMBER: 60/219,007

; PRIORITY FILING DATE: 2000-07-18

; PRIORITY APPLICATION NUMBER: 60/255,281

; PRIORITY FILING DATE: 2000-12-13

; NUMBER OF SEQ ID NOS: 62232

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO: 12548

LENGTH: 542

TYPE: DNA

ORGANISM: Homo sapiens

US-10-357-330-12548

Alignment Scores:

|                        |       |               |     |
|------------------------|-------|---------------|-----|
| Pred. No. :            | 49.3  | Length:       | 542 |
| Score:                 | 52.00 | Matches:      | 8   |
| Percent Similarity:    | 71.4% | Conservative: | 2   |
| Best Local Similarity: | 57.1% | Mismatches:   | 4   |
| Query Match:           | 59.8% | Indels:       | 0   |
| DB:                    | 8     | Gaps:         | 0   |

SWOP-018-SEQ1 (1-15) x US-10-357-930-12548 (1-542)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCyste 14

Db 31.6 CACTGGGGccccccCTCCGAAGGTCGAACTGTTAT 275

RESULT 10

US-10-972-079-71829

Sequence 71829, Application US/10972079

Publication No. US20050153317A1

GENERAL INFORMATION:

APPLICANT: MMI GENOMICS, INC.

APPLICANT: DENISE, Sue K.

APPLICANT: ROSENFIELD, David

APPLICANT: KERR, Richard

APPLICANT: BATES, Stephen

APPLICANT: HOLM, Tom

TITLE OF INVENTION: METHODS & SYSTEMS FOR INFERRING TRAITS TO BREED & MANAGE NON-BEEF LIVESTOCK

FILE REFERENCE: MM1110-2

CURRENT FILING DATE: 2004-10-22

PRIOR APPLICATION NUMBER: US 60/514,333

PRIOR FILING DATE: 2003-10-24

NUMBER OF SEQ ID NOS: 96631

SOFTWARE: PATENT-IN version 3.1

SEQ ID NO: 71829

LENGTH: 600

TYPE: DNA

ORGANISM: Chicken

19866994350992\_1

US-10-972-079-71829

Alignment Scores:

|                        |       |               |     |
|------------------------|-------|---------------|-----|
| Pred. No. :            | 54.6  | Length:       | 600 |
| Score:                 | 52.00 | Matches:      | 8   |
| Percent Similarity:    | 86.7% | Conservative: | 5   |
| Best Local Similarity: | 53.3% | Mismatches:   | 2   |
| Query Match:           | 59.8% | Indels:       | 0   |
| DB:                    | 9     | Gaps:         | 0   |

SWOP-018-SEQ1 (1-15) x US-10-972-079-71829 (1-600)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysteGlu 15

Db 357 TTCTCTGGCTTCAGAAATGCCAGAACAGAGGAAATTGTTACCAAG 401

RESULT 11

US-10-282-1122A-13812

Sequence 13812, Application US/10282112A

GENERAL INFORMATION:

APPLICANT: Wang, Liangsu

APPLICANT: Zamudio, Carlos

APPLICANT: Malone, Cheryl

APPLICANT: Haselbeck, Robert

APPLICANT: Ohlsen, Kari

APPLICANT: Zyskind, Judith

APPLICANT: Wall, Daniel

APPLICANT: Tramwick, John

APPLICANT: Carr, Grant

APPLICANT: Yamamoto, Robert

APPLICANT: Forseth, R.

APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms

FILE REFERENCE: ELITRA.034A

CURRENT APPLICATION NUMBER: US/10/282,122A

CURRENT FILING DATE: 2003-02-20

PRIOR APPLICATION NUMBER: 60/191,078

PRIOR FILING DATE: 2000-03-21

PRIOR APPLICATION NUMBER: 60/206,848

PRIOR FILING DATE: 2000-05-23

PRIOR APPLICATION NUMBER: 60/207,727

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: 60/230,325

PRIOR FILING DATE: 2000-05-06

PRIOR APPLICATION NUMBER: 60/230,347

PRIOR FILING DATE: 2000-05-09

PRIOR APPLICATION NUMBER: 60/242,578

PRIOR FILING DATE: 2000-10-23

PRIOR APPLICATION NUMBER: 60/253,625

PRIOR FILING DATE: 2000-11-27

PRIOR APPLICATION NUMBER: 60/257,931

PRIOR FILING DATE: 2000-12-22

PRIOR APPLICATION NUMBER: 60/267,636

PRIOR FILING DATE: 2001-02-09

PRIOR FILING DATE: 2001-02-16

Remaining Prior Application data removed - See File Wrapper or PAML.

NUMBER OF SEQ ID NOS: 78614

SOFTWARE: PatentIN version 3.1

SEQ ID NO: 13812

LENGTH: 2358

TYPE: DNA

ORGANISM: Burkholderia mallei

US-10-282-122A-13812

Alignment Scores:

|                        |       |               |      |
|------------------------|-------|---------------|------|
| Pred. No. :            | 213   | Length:       | 2358 |
| Score:                 | 52.00 | Matches:      | 9    |
| Percent Similarity:    | 91.7% | Conservative: | 2    |
| Best Local Similarity: | 75.0% | Mismatches:   | 1    |
| Query Match:           | 59.8% | Indels:       | 0    |
| DB:                    | 7     | Gaps:         | 0    |

SWOP-018-SEQ1 (1-15) x US-10-282-122A-13812 (1-2358)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13

Db 1283 AGGGGGCCCGAGGCGCTCGGGAGGGCGATCGTGC 1318

RESULT 12

US-10-501-282-3109/c

GENERAL INFORMATION:

APPLICANT: MCMICHAEL, JOHN CALHOUN

APPLICANT: ZAGURSKY, ROBERT JOHN

APPLICANT: RUSSELL, DAVID PARRISH

APPLICANT: FLETCHER, LEAH DIANE

TITLE OF INVENTION: ALLOIOCCUS OTITIDIS OPEN READING FRAMES (ORFs) ENCODING POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF

FILE REFERENCE: AM-00780 L2

CURRENT APPLICATION NUMBER: US/10/501,282

CURRENT FILING DATE: 2004-07-09

PRIOR APPLICATION NUMBER: 60/333,777

PRIOR FILING DATE: 2001-11-29

PRIOR APPLICATION NUMBER: 60/426,742

PRIOR FILING DATE: 2002-11-18

PRIOR APPLICATION NUMBER: PCT/US02/36123

PRIOR FILING DATE: 2002-11-25

NUMBER OF SEQ ID NOS: 6653

SWOP-018-seq1.rnpbm

---

SOFTWARE: PatentIn version 3.2

SEQ ID NO: 3109

TYPE: DNA

ORGANISM: *Alloioococcus otitidis*

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (19)..(600)

US-10-501-282-3109

Alignment Scores:

|                        |       |               |     |
|------------------------|-------|---------------|-----|
| Pre. No.:              | 80.3  | Length:       | 603 |
| Score:                 | 51.00 | Matches:      | 9   |
| Percent Similarity:    | 66.7% | Conservative: | 1   |
| Best Local Similarity: | 60.0% | Missmatches:  | 5   |
| Query Match:           | 58.6% | Indels:       | 0   |
| DB:                    | 9     | Gaps:         | 0   |

SWOP-018-SEQ1 (1-15) x US-10-501-282-3109 (1-603)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystY Glu 15

Db 418 TATAGTGACAAAAAAAGCTCACGGCACGCCAATGCTATCAA 374

RESULT 13

US-10-501-282-3111/c

Sequence 3111, Application US/10501282

Publication No. US20050203280A1

GENERAL INFORMATION:

APPLICANT: MCMICHAEL, JOHN CALHOUN

APPLICANT: ZAGURSKY, ROBERT JOHN

APPLICANT: RUSSELL, DAVID PARRISH

APPLICANT: FLETCHER, LEAH DIANE

TITLE OF INVENTION: ALLOOCOCUS OTITIDIS OPEN READING FRAMES (ORFs) ENCODING POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF

TITLE OF INVENTION: POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF

FILE REFERENCE: AM100180 L2

CURRENT FILING DATE: 2004-07-09

PRIOR APPLICATION NUMBER: 60/333,777

PRIOR FILING DATE: 2001-11-29

PRIOR APPLICATION NUMBER: 60/426,742

PRIOR FILING DATE: 2000-11-18

PRIOR APPLICATION NUMBER: PCT/US02/36123

PRIOR FILING DATE: 2002-11-25

NUMBER OF SEQ ID NOS: 6653

SOFTWARE: PatentIn version 3.2

SEQ ID NO: 3111

LENGTH: 603

TYPE: DNA

ORGANISM: *Alloioococcus otitidis*

FEATURE: CDS

NAME/KEY: CDS

LOCATION: (7)..(600)

US-10-501-282-3111

Alignment Scores:

|                        |       |               |     |
|------------------------|-------|---------------|-----|
| Pre. No.:              | 80.3  | Length:       | 603 |
| Score:                 | 51.00 | Matches:      | 9   |
| Percent Similarity:    | 66.7% | Conservative: | 1   |
| Best Local Similarity: | 60.0% | Missmatches:  | 5   |
| Query Match:           | 58.6% | Indels:       | 0   |
| DB:                    | 9     | Gaps:         | 0   |

SWOP-018-SEQ1 (1-15) x US-10-501-282-3111 (1-603)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCystY Glu 15

Db 418 TATAGTGACAAAAAAAGCTCACCAACGCCAATGCTATCAA 374

RESULT 14

US-10-128-714-2252

Sequence 2252, Application US/10128714

Publication No. US20030119013A1

GENERAL INFORMATION:

APPLICANT: JIANG, Bo

APPLICANT: HU, Wengi

APPLICANT: TIRANKOFF, Daniel

APPLICANT: ZAMUDIO, Carlos

APPLICANT: EROSHKIN, Alexey M

APPLICANT: LEMIEUX, Sebastien M

TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and Methods of Use

FILE REFERENCE: 10182-018-999

CURRENT APPLICATION NUMBER: US/10/128,714

PRIOR FILING DATE: 2002-04-23

PRIOR APPLICATION NUMBER: US 60/285,697

PRIOR FILING DATE: 2001-04-23

PRIOR APPLICATION NUMBER: US 60/287,066

PRIOR FILING DATE: 2001-04-27

PRIOR APPLICATION NUMBER: US 60/295,890

PRIOR FILING DATE: 2001-06-05

PRIOR APPLICATION NUMBER: US 60/303,899

PRIOR FILING DATE: 2001-07-09

PRIOR APPLICATION NUMBER: US 60/316,362

PRIOR FILING DATE: 2001-08-31

NUMBER OF SEQ ID NOS: 8603

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 7252

```

; LENGTH: 855
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
; US-10-128-714-7252

Alignment Scores:
Pred. No.: 114 Length: 855
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-7252 (1-855)
RESULT 16
US-10-128-714-1252
; Sequence 1252, Application US/10128714
; GENERAL INFORMATION:
; APPLICANT: Jiang, Bo
; APPLICANT: Hu, Wengi
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10/128,714
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US 60/285,697
; PRIOR FILING DATE: 2001-04-23
; PRIORITY NUMBER: 10182-018-999
; PRIORITY FILING DATE: 2001-04-27
; PRIORITY NUMBER: US 60/287,066
; PRIORITY FILING DATE: 2001-04-27
; PRIORITY NUMBER: US 60/295,890
; PRIORITY FILING DATE: 2001-06-05
; PRIORITY NUMBER: US 60/303,899
; PRIORITY FILING DATE: 2001-07-09
; PRIORITY NUMBER: US 60/316,362
; PRIORITY FILING DATE: 2001-08-31
; NUMBER OF SEQ ID NOS: 8603
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO: 6252
; LENGTH: 908
; TYPE: DNA
; ORGANISM: Aspergillus fumigatus
; US-10-128-714-6252

Alignment Scores:
Pred. No.: 121 Length: 908
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-6252 (1-908)
RESULT 17
US-10-128-714-6252
; Sequence 6252, Application US/10128714
; GENERAL INFORMATION:
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10680060A
; CURRENT FILING DATE: 2003-10-07
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 76
; LENGTH: 176

Alignment Scores:
Pred. No.: 121 Length: 908
Score: 51.00 Matches: 9
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-128-714-1252 (1-908)
RESULT 17
US-10-128-714-6252
; Sequence 6252, Application US/10128714
; GENERAL INFORMATION:
; APPLICANT: Tishkoff, Daniel
; APPLICANT: Zamudio, Carlos
; APPLICANT: Lemieux, Sébastien M
; TITLE OF INVENTION: Identification of Essential Genes in Aspergillus fumigatus and
; TITLE OF INVENTION: Methods of Use
; FILE REFERENCE: 10182-018-999
; CURRENT APPLICATION NUMBER: US/10680060A
; CURRENT FILING DATE: 2003-10-07
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 76
; LENGTH: 176

Alignment Scores:
Pred. No.: 121 Length: 908
Score: 4 ProProSerGlyAlaArgArgArgArgAsnCys 13
Percent Similarity: 90.0% Conservative: 0
Best Local Similarity: 90.0% Mismatches: 1
Query Match: 58.6% Indels: 0
DB: 497 CCACCGAGTGTTGGAGAGGGAACTGC 526

```

TYPE: DNA  
 ORGANISM: *streptomyces ambofaciens*  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (1)..(1233)  
 US-10-680-860A-76

Alignment Scores:  
 Pred. No.: 164 Length: 1233  
 Score: 51.00 Matches: 8  
 Percent Similarity: 83.3% Conservative: 2  
 Best Local Similarity: 66.1% Mismatches: 2  
 Query Match: 58.6% Indels: 0  
 DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-680-860A-76 (1-1233)

Qy 3 GlyProProSerGlyAlaArgArgArgArgGlnGlyTyr 14  
 |||||:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:  
 DB 292 GGTCCACAGCCGGACGGCGGCCGCTTGCCAT 257

RESULT 19  
 US-10-450-763-7794  
 ; Sequence 7794, Application US/10450763  
 ; Publication No. US20050196754A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: HYSEQ, Inc  
 ; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
 ; FILE REFERENCE: 790C1P3/US  
 ; CURRENT APPLICATION NUMBER: US/10/450,763  
 ; PRIORITY NUMBER: PCT/US01/08631  
 ; PRIOR APPLICATION NUMBER: 2003-06-11  
 ; PRIOR FILING DATE: 2003-03-31  
 ; PRIORITY NUMBER: 09/540,217  
 ; PRIOR APPLICATION NUMBER: 2000-03-31  
 ; PRIOR FILING DATE: 2000-08-23  
 ; NUMBER OF SEQ ID NOS: 60736  
 ; SOFTWARE: Custom  
 ; SEQ ID NO: 7794  
 ; LENGTH: 1865  
 ; TYPE: DNA  
 ; ORGANISM: *Homo sapiens*  
 ; FEATURE:  
 ; NAME/KEY: SIMILAR  
 ; LOCATION: (27)..(284)  
 ; OTHER INFORMATION: 60% homologous to *Homo sapiens* SRB7, accession number  
 ; OTHER INFORMATION: U46837, Smith-Waterman Score=218.  
 US-10-450-763-7794

Alignment Scores:  
 Pred. No.: 247 Length: 1865  
 Score: 51.00 Matches: 8  
 Percent Similarity: 73.3% Conservative: 3  
 Best Local Similarity: 53.3% Mismatches: 4  
 Query Match: 58.6% Indels: 0  
 DB: 9 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-450-763-7794 (1-1865)

Qy 1 TyrSerDlyProProSerGlyAlaArgArgArgArgGlnGlyTyr 15  
 |||||:|||||:|||||:|||||:|||||:|||||:|||||:  
 DB 459 TICAGTGGATGACCATGGCTTGAGAACTGTTGAG 503

RESULT 20  
 US-10-437-963-48056/c  
 ; Sequence 48056, Application US/10437963  
 ; Publication No. US2004012334A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rose, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei

Alignment Scores:  
 Pred. No.: 384 Length: 2908  
 Score: 51.00 Matches: 9  
 Percent Similarity: 90.0% Conservative: 0  
 Best Local Similarity: 90.0% Mismatches: 1  
 Query Match: 58.6% Indels: 0  
 DB: 5 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-437-963-48056 (1-2328)  
 US-10-437-963-48056

Qy 4 ProProSerGlyAlaArgArgArgArgGlnGlyTyrGlu 15  
 |||||:|||||:|||||:|||||:|||||:  
 Db 194 CCTTCATCCGCCGCCGAAAGAAAGAACTGCTATGAA 159

RESULT 21  
 US-10-128-714-252  
 ; Sequence 252, Application US/10128714  
 ; Publication No. US20030119013A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jiang, Bo  
 ; APPLICANT: Hu, Wengi  
 ; APPLICANT: Tishkoff, Daniel  
 ; APPLICANT: Zamudio, Carlos  
 ; APPLICANT: Eroshkin, Alexey M  
 ; APPLICANT: Lemieux, Sebastien M  
 ; TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and  
 ; FILE REFERENCE: 10182-018-999  
 ; CURRENT FILING DATE: 2002-04-23  
 ; PRIORITY NUMBER: US 60/285,697  
 ; PRIOR FILING DATE: 2001-04-23  
 ; PRIORITY NUMBER: US 60/287,066  
 ; PRIOR FILING DATE: 2001-04-27  
 ; PRIORITY NUMBER: US 60/295,890  
 ; PRIOR FILING DATE: 2001-05-05  
 ; PRIORITY NUMBER: US 60/303,899  
 ; PRIOR FILING DATE: 2001-07-09  
 ; PRIORITY NUMBER: US 60/315,362  
 ; PRIOR FILING DATE: 2001-08-31  
 ; NUMBER OF SEQ ID NOS: 8603  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 252  
 ; TYPE: DNA  
 ; ORGANISM: *Aspergillus fumigatus*  
 US-10-128-714-252

SWOP-018-SEQ1 (1-15) x US-10-128-714-252 (1-2908)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13

Db 1497 CCACCGAGTGGTGGAGAGGAAGTGC 1526

RESULT 22

US-10-128-714-5252

Sequence 5252, Application US/10128714

Publication No. US20030119013A1

GENERAL INFORMATION:

APPLICANT: Hu, Wengi

APPLICANT: Tishkoff, Daniel

APPLICANT: Zamudio, Alexey M

APPLICANT: Broshkin, Alexey M

APPLICANT: Lemieux, Sébastien M

TITLE OF INVENTION: Identification of Essential Genes in *Aspergillus fumigatus* and Methods of Use

FILE REFERENCE: 10-82-018-999

CURRENT FILING DATE: 2002-04-23

PRIOR APPLICATION NUMBER: US 60/285,697

PRIOR FILING DATE: 2001-04-23

PRIOR APPLICATION NUMBER: US 60/287,066

PRIOR FILING DATE: 2001-07-09

PRIOR APPLICATION NUMBER: US 60/303,899

PRIOR FILING DATE: 2001-07-09

PRIOR FILING DATE: 2001-08-31

NUMBER OF SEQ ID NOS: 8603

SOFTWARE: PatentIn version 3.1

SEQ ID NO: 5252

LENGTH: 2908

TYPE: DNA

ORGANISM: *Aspergillus fumigatus*

US-10-128-714-5252

Alignment Scores:

Pred. No.: 384 Length: 2908

Score: 51.00 Matches: 9

Percent Similarity: 90.0% Conservative: 0

Best Local Similarity: 90.0% Mismatches: 1

Query Match: 58.6% Indels: 0

DB: 5

SWOP-018-SEQ1 (1-15) x US-10-128-714-5252 (1-2908)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13

Db 1497 CCACCGAGTGGTGGAGAGGAAGTGC 1526

RESULT 23

US-10-680-860A-1

Sequence 1, Application US/10680860A

Publication No. US20050202528A1

GENERAL INFORMATION:

APPLICANT: BLONDELET-ROUAULT, Marie-Helene

APPLICANT: DOMINGUEZ, Helene

APPLICANT: DARBON-RONGERE, Emmanuelle

APPLICANT: GERBAUD, Claude

APPLICANT: GONDRAIN, Anne

APPLICANT: KARRAY, Fatma

APPLICANT: LACROIX, Patricia

APPLICANT: OESTREICHER-MERNET-BOUVIER, Nathalie

APPLICANT: PERNODT, Jean-Luc

APPLICANT: TUPHIE, Karine

TITLE OF INVENTION: POLYPEPTIDES INVOLVED IN THE BIOSYNTHESIS OF SPIRAMYCINS, NUCLEOTIDE SEQUENCE ENCODING THESE POLYPEPTIDES AND APPLICATIONS THEREOF

FILE REFERENCE: FR2002/0038 US NP

CURRENT APPLICATION NUMBER: US/10/680,860A

CURRENT FILING DATE: 2003-10-07

PRIOR APPLICATION NUMBER: FR 0212489

PRIOR FILING DATE: 2002-10-08

PRIOR APPLICATION NUMBER: FR 0302439

PRIOR FILING DATE: 2003-02-27

PRIOR APPLICATION NUMBER: US 60/493,490

PRIOR FILING DATE: 2003-08-07

NUMBER OF SEQ ID NOS: 161

SOFTWARE: PatentIn version 3.2

SEQ ID NO: 1

LENGTH: 30943

TYPE: DNA

ORGANISM: *Streptomyces ambofaciens*

US-10-680-860A-1

Alignment Scores:

Pred. No.: 4.03e+03 Length: 30943

Score: 51.00 Matches: 8

Percent Similarity: 83.3% Conservative: 2

Best Local Similarity: 66.7% Mismatches: 2

Query Match: 58.6% Indels: 0

DB: 9

SWOP-018-SEQ1 (1-15) x US-10-680-860A-1 (1-30943)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCysTr 14

Db 27157 GGTCACCAACGGGGACGGGGACCTTGCAT 27192

RESULT 24

US-10-819-386A-1

Sequence 1, Application US/10819386A

Publication No. US2005089884A1

GENERAL INFORMATION:

APPLICANT: Korea advanced Institute of Science and Technology

APPLICANT: Shanghai Jiao-Tong University

APPLICANT: LEE, Sang Yup

APPLICANT: DENG, ZIXIN

APPLICANT: CHEN, SHI

APPLICANT: JEONG, Ki Jun

APPLICANT: ZHOU, XIUPIN

TITLE OF INVENTION: Genes for the Synthesis of FR-008 Polyketides

FILE REFERENCE: P003-B015

CURRENT APPLICATION NUMBER: US/10/819,386A

CURRENT FILING DATE: 2004-04-06

PRIOR APPLICATION NUMBER: KR10-2003-0074035

PRIOR FILING DATE: 2003-10-23

NUMBER OF SEQ ID NOS: 28

SOFTWARE: PatentIn version 3.2

SEQ ID NO: 1

LENGTH: 138203

TYPE: DNA

ORGANISM: *Streptomyces* sp. FR-008

US-10-819-386A-1

Alignment Scores:

Pred. No.: 1.79e+04 Length: 138203

Score: 51.00 Matches: 9

Percent Similarity: 81.8% Conservative: 0

Best Local Similarity: 81.8% Mismatches: 2

Query Match: 58.6% Indels: 0

DB: 9

SWOP-018-SEQ1 (1-15) x US-10-819-386A-1 (1-138203)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13

Db 111620 GGCGCTCCAGAGCGCTGACACAGGACCATGC 111652

RESULT 25

US-10-501-282-6651/C

```

Sequence 6651, Application US/10501282
; Publication No. US20050203280A1
; GENERAL INFORMATION:
; APPLICANT: MCMICHAEL, JOHN CALHOUN
; APPLICANT: ZAGURSKY, ROBERT JOHN
; APPLICANT: RUSSELL, DAVID JOHN
; APPLICANT: FLETCHER, LEAH DIANE
; TITLE OF INVENTION: ALLOTOCOCUS OTITIDIS OPEN READING FRAMES (ORFS) ENCODING
; FILE REFERENCE: AMI100780 L2
; POLYPEPTIDE ANTIGENS, IMMUNOGENIC COMPOSITIONS AND USES THEREOF
; CURRENT APPLICATION NUMBER: US/10/501,282
; PRIORITY NUMBER: 60/426,742
; PRIORITY FILING DATE: 2004-07-09
; PRIORITY FILING DATE: 2001-11-29
; PRIORITY FILING DATE: 2002-11-18
; PRIORITY FILING DATE: 2002-11-25
; NUMBER OF SEQ ID NOS: 6653
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO: 6651
; LENGTH: 1754382
; TYPE: DNA
; ORGANISM: Allotooccus otitidis
US-10-501-282-6651

Alignment Scores:
Pred. No.: 2.23e+05 Length: 1754382
Score: 51.00 Matches: 9
Percent Similarity: 66.7% Conservative: 1
Best Local Similarity: 60.0% Mismatches: 5
Query Match: 58.6% Indels: 0
DB: 9 GAGATGAGCTAAGCTAGAACAAAATGCTAGAACGGCACGCCATGTATCA 810202
SWOP-018-SEQ1 (1-15) x US-10-501-282-6651 (1-1754382)
Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgArgCysTyrGlu 15
Db 810246 TATAGTGACAAAGAAAGCTAGAACGGCACGCCATGTATCA 810202

RESULT 26
US-10-305-720-285
; Sequence 285, Application US/10305720
; Publication No. US20040010136A1
; GENERAL INFORMATION:
; APPLICANT: Au-Young, Janice K.; Seilhamer, Jeffrey J.
; TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expression
; FILE REFERENCE: P-0002-1 CON
; CURRENT APPLICATION NUMBER: US/10/305,720
; CURRENT FILING DATE: 2002-11-26
; PRIORITY NUMBER: 09/016,434
; PRIORITY FILING DATE: 1998-01-30
; NUMBER OF SEQ ID NOS: 1490
; SOFTWARE: PERL Program
; SEQ ID NO: 285
; LENGTH: 202
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; OTHER INFORMATION: Incyte ID No. US20040010136A1 1723064
US-10-305-720-285

Alignment Scores:
Pred. No.: 39.6 Length: 202
Score: 50.00 Matches: 8
Percent Similarity: 81.8% Conservative: 1
Best Local Similarity: 72.7% Mismatches: 2
Query Match: 57.5% Indels: 0
DB: 6 GAGATGAGCTAAGCTAGAACAAAATGCTAGAACGGCACGCCATGTATCA 810202
SWOP-018-SEQ1 (1-15) x US-10-305-720-285 (1-202)

RESULT 27
US-10-425-115-53450
; Sequence 53450, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21 (5322) B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO: 53450
; LENGTH: 356
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_148748C.1
US-10-425-115-53450

Alignment Scores:
Pred. No.: 69.6 Length: 356
Score: 50.00 Matches: 8
Percent Similarity: 81.8% Conservative: 1
Best Local Similarity: 72.7% Mismatches: 2
Query Match: 57.5% Indels: 0
DB: 8 GGGCGGCCACCTGCTACGCCCGTACCTGT 69

SWOP-018-SEQ1 (1-15) x US-10-425-115-53450 (1-356)
Qy 3 GlyProProSerGlyAlaArgArgArgArgCys 13
Db 37 GGGCGGCCACCTGCTACGCCCGTACCTGT 69

RESULT 28
US-10-425-115-112349
; Sequence 112349, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovacic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21 (5322) B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO: 112349
; LENGTH: 400
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_33954C.1
US-10-425-115-112349

Alignment Scores:
Pred. No.: 78.2 Length: 400
Score: 50.00 Matches: 8
Percent Similarity: 69.2% Conservative: 1
Best Local Similarity: 61.5% Mismatches: 4
Query Match: 57.5% Indels: 0
DB: 8 GGGCGGCCACCTGCTACGCCCGTACCTGT 69
SWOP-018-SEQ1 (1-15) x US-10-425-115-112349 (1-400)

```

US-10-437-963-65811  
 Qy 1 TyrSerGlyProProSerGlyAlaBargArgAbnCys 13  
 Db 163 TATGGAGGTACACCAGGGCTTCAAGACAGCAGATGC 201

RESULT 29  
 Q: Sequence 84486, Application US/0925065A  
 ; Publication No. US20050228172A9  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, David G.  
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide Polymorphisms in the Human Genome  
 ; FILE REFERENCE: 108827-135  
 ; CURRENT APPLICATION NUMBER: US/09/925,065A  
 ; CURRENT FILING DATE: 2001-08-08  
 ; PRIOR APPLICATION NUMBER: US 60/243,096  
 ; PRIOR FILING DATE: 2000-10-24  
 ; PRIOR APPLICATION NUMBER: US 60/252,147  
 ; PRIOR FILING DATE: 2000-11-20  
 ; PRIOR APPLICATION NUMBER: US 60/250,092  
 ; PRIOR FILING DATE: 2000-11-30  
 ; PRIOR APPLICATION NUMBER: US 60/261,766  
 ; PRIOR FILING DATE: 2001-01-16  
 ; PRIOR APPLICATION NUMBER: US 60/289,846  
 ; PRIOR FILING DATE: 2001-05-09  
 ; NUMBER OF SEQ ID NOS: 957086  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 84486  
 ; LENGTH: 611  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; US-09-925-065A-84486

Alignment Scores:  
 Pred. No.: 147 Length: 574  
 Score: 50.00 Matches: 8  
 Percent Similarity: 90.9% Conservative: 2  
 Best Local Similarity: 72.7% Mismatches: 1  
 Query Match: 57.5% Indels: 0  
 DB: 7 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-437-963-65811 (1-754)  
 Qy 4 ProProSerGlyAlaBargArgAbnCysTyr 14  
 Db 446 CCACCCACCGGGGGCGCGCGACTGCTAC 478

RESULT 31  
 US-10-425-115-75153  
 ; Sequence 75153, Application US/10425115  
 ; Publication No. US20040214272A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants  
 ; FILE REFERENCE: 38-21(53222)B  
 ; CURRENT APPLICATION NUMBER: US/10/425,115  
 ; CURRENT FILING DATE: 2003-04-28  
 ; NUMBER OF SEQ ID NOS: 369326  
 ; SEQ ID NO: 75153  
 ; LENGTH: 768  
 ; TYPE: DNA  
 ; ORGANISM: Zea mays  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: MRT4577\_168570C.1  
 ; US-10-425-115-75153

Alignment Scores:  
 Pred. No.: 150 Length: 768  
 Score: 50.00 Matches: 9  
 Percent Similarity: 75.0% Conservative: 0  
 Best Local Similarity: 75.4% Mismatches: 3  
 Query Match: 57.5% Indels: 0  
 DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-425-115-75153 (1-768)  
 Qy 3 GlyProProSerGlyAlaBargArgAbnCysTyr 14  
 Db 268 GGCGCGCATCGTGTGCTGGCCGGAAAGCTGTAT 303

RESULT 32  
 US-11-019-829-11  
 ; Sequence 11, Application US/11019829  
 ; Publication No. US20050136465A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hoffmann-La Roche Inc.  
 ; TITLE OF INVENTION: Novel targets for obesity from subcutaneous fat  
 ; FILE REFERENCE: 22304  
 ; CURRENT APPLICATION NUMBER: US/11/019,829  
 ; CURRENT FILING DATE: 2004-12-22  
 ; NUMBER OF SEQ ID NOS: 146  
 ; SOFTWARE: PatentIn version 3.2  
 ; SEQ ID NO: 11  
 ; LENGTH: 2472  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: atp-binding cassette, sub-family c, member 10 (ABCC10)  
 ; LOCATION: (1) . (2472)  
 ; OTHER INFORMATION: accession No.: AL133613.1, HS..55879

RESULT 30  
 US-10-437-963-65811  
 ; Sequence 65811, Application US/10437963  
 ; Publication No. US/004012334A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: La Rosa, Thomas J.  
 ; APPLICANT: Kovalic, David K.  
 ; APPLICANT: Zhou, Yihua  
 ; APPLICANT: Cao, Yongwei  
 ; APPLICANT: Wu, Wei  
 ; APPLICANT: Boukharov, Andrey A.  
 ; APPLICANT: Barbazuk, Brad  
 ; APPLICANT: Li, Ping  
 ; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants and Uses Thereof for Plant Improvement  
 ; FILE REFERENCE: 38-21(53221)B  
 ; CURRENT APPLICATION NUMBER: US/10/437,963  
 ; CURRENT FILING DATE: 2003-05-14  
 ; NUMBER OF SEQ ID NOS: 204966  
 ; SEQ ID NO: 65811  
 ; LENGTH: 754  
 ; TYPE: DNA  
 ; ORGANISM: Oryza sativa  
 ; FEATURE:  
 ; OTHER INFORMATION: Clone ID: PAT MRT4530 668222C.1

Alignment Scores:  
Pred. No.: 478 Length: 2472  
Score: 50.00 Matches: 8  
Percent Similarity: 81.8% Conservative: 1  
Best Local Similarity: 72.7% Mismatches: 2  
Query Match: 57.5% Indels: 0  
DB: 10 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-11-019-829-11 (1-2472)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 988 GGCCACCTACAGGTTGAGGAGAACCTGC 1020

RESULT 33

US-10-723-860-376 Application US/10723860  
; Sequence 376, Application US/10723860  
; Publication No. US20040253606A1

GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; ATTORNEY OR AGENT: Ginsburg, Wendy M.  
; APPLICANT: Ginsburg, Wendy M.  
; ATTORNEY OR AGENT: Zlomnick, Albert

TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators

TITLE OF INVENTION: Methods for Screening for Soft Tissue Sarcoma Modulators

FILE REFERENCE: 05882.0193.NPUS01  
CURRENT APPLICATION NUMBER: US10/723,860  
CURRENT FILING DATE: 2003-11-26  
PRIORITY NUMBER: 60/429,739  
PRIORITY NUMBER: 60/429,739  
NUMBER OF SEQ ID NOS: 8393  
SEQUENCE ID NO: 376  
LENGTH: 5023  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-723-860-376

Alignment Scores:  
Pred. No.: 968 Length: 5023  
Score: 50.00 Matches: 8  
Percent Similarity: 81.8% Conservative: 1  
Best Local Similarity: 72.7% Mismatches: 2  
Query Match: 57.5% Indels: 0  
DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-723-860-376 (1-5023)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 3577 GGCCACCTACAGGTTGAGGAGAACCTGC 3609

RESULT 34

US-10-335-053-36  
; Sequence 96, Application US/10335053  
; Publication No. US2004241653A1

GENERAL INFORMATION:  
; APPLICANT: Quark Biotech, Inc.  
; TITLE OF INVENTION: Methods for identifying marker genes for cancer

FILE REFERENCE: 68733-A; 07/0/US1  
CURRENT APPLICATION NUMBER: US10/335,053  
CURRENT FILING DATE: 2003-03-27  
PRIORITY NUMBER: 60/345,317  
PRIORITY FILING DATE: 2001-12-31  
NUMBER OF SEQ ID NOS: 319  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 96  
LENGTH: 5084  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-335-053-36

Alignment Scores:  
Pred. No.: 980 Length: 5084  
Score: 50.00 Matches: 8  
Percent Similarity: 81.8% Conservative: 1  
Best Local Similarity: 72.7% Mismatches: 2  
Query Match: 57.5% Indels: 0  
DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-335-053-96 (1-5084)

RESULT 35

US-10-723-860-5073  
; Sequence 5073, Application US/10723860  
; Publication No. US20040253606A1

GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; ATTORNEY OR AGENT: Ginsburg, Wendy M.  
; APPLICANT: Zlomnick, Albert

TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & Methods for Screening for Soft Tissue Sarcoma Modulators

FILE REFERENCE: 05882.0193.NPUS01  
CURRENT APPLICATION NUMBER: US10/723,860  
CURRENT FILING DATE: 2003-11-26  
PRIORITY NUMBER: 60/429,739  
PRIORITY FILING DATE: 2002-11-26  
NUMBER OF SEQ ID NOS: 8393  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 5073  
LENGTH: 5117  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-723-860-5073

Alignment Scores:  
Pred. No.: 986 Length: 5117  
Score: 50.00 Matches: 8  
Percent Similarity: 81.8% Conservative: 1  
Best Local Similarity: 72.7% Mismatches: 2  
Query Match: 57.5% Indels: 0  
DB: 8 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-723-860-5073 (1-5117)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 3633 GGCCACCTACAGGTTGAGGAGAACCTGC 3665

RESULT 36

US-10-887-553A-1140  
; Sequence 1140, Application US/10887553A  
; Publication No. US20050083436A1

GENERAL INFORMATION:  
; APPLICANT: Li, Hao  
; ATTORNEY OR AGENT: Garza, Dan  
; TITLE OF INVENTION: Method to treat conditions associated with insulin signalling dysregulation

FILE REFERENCE: 4-33262  
CURRENT APPLICATION NUMBER: US10/887,553A  
CURRENT FILING DATE: 2004-07-08  
PRIORITY NUMBER: 60/485,883  
PRIORITY FILING DATE: 2003-08-07  
NUMBER OF SEQ ID NOS: 1208  
SOFTWARE: FastSEQ for Windows Version 4.0  
SEQ ID NO: 1140  
LENGTH: 5118  
TYPE: DNA  
ORGANISM: human  
US-10-887-553A-1140

Alignment Scores:  
 Pred. No.: 987 Length: 5118  
 Score: 50.00 Matches: 8  
 Percent Similarity: 81.8% Conservative: 1  
 Best Local Similarity: 72.7% Mismatches: 2  
 Query Match: 57.5% Indels: 0  
 DB: Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-887-553A-1140 (1-5118)  
 Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 3637 GGCCACCTAACAGTTAGGGAGAACCTGC 3669

RESULT 37  
 US-10-211-028-12/C  
 ; sequence 12, Application US/10211028  
 ; Publication No. US20050027113A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: CUBIST PHARMACEUTICALS, INC.  
 ; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATING TO THE DAPTONYCIN  
 ; FILE REFERENCE: CUB-12 PCT CIP  
 ; CURRENT APPLICATION NUMBER: US/10/211-028  
 ; PRIOR APPLICATION NUMBER: PCT/US02/2431.0  
 ; PRIOR FILING DATE: 2002-10-25  
 ; PRIOR APPLICATION NUMBER: PCT/US01/32354  
 ; PRIOR FILING DATE: 2001-10-17  
 ; PRIOR APPLICATION NUMBER: 60/310,385  
 ; PRIOR FILING DATE: 2001-08-06  
 ; PRIOR APPLICATION NUMBER: 60/379,866  
 ; PRIOR FILING DATE: 2002-05-10  
 ; NUMBER OF SEQ ID NOS: 170  
 ; SOFTWARE: PatentIn Ver. 2.1  
 ; SEQ ID NO 12  
 ; LENGTH: 22017  
 ; TYPE: DNA  
 ; ORGANISM: Streptomyces roseosporus  
 US-10-211-028-12

Alignment Scores:  
 Pred. No.: 4.21e+03 Length: 22017  
 Score: 50.00 Matches: 9  
 Percent Similarity: 75.0% Conservative: 0  
 Best Local Similarity: 75.0% Mismatches: 3  
 Query Match: 57.5% Indels: 0  
 DB: Gaps: 0

SWOP-018-SEQ1 (1-15) x US-10-211-028-12 (1-22017)  
 Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 19042 TCAGGACGCCACGGGGCAGCTGCGCCCATGT 19007

RESULT 38  
 US-09-997-722-4/C  
 ; sequence 4, Application US/09997722  
 ; Publication No. US20040072154A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Engelhardt, Eric  
 ; APPLICANT: Morris, David  
 ; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR CANCER  
 ; FILE REFERENCE: A-71121/RMS/DCF  
 ; CURRENT APPLICATION NUMBER: US/09/997,722  
 ; PRIOR APPLICATION NUMBER: US 09/747,377  
 ; PRIOR FILING DATE: 2001-11-30  
 ; PRIOR APPLICATION NUMBER: US 09/798,586  
 ; PRIOR FILING DATE: 2001-03-02  
 ; NUMBER OF SEQ ID NOS: 301  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 4

; APPLICANT: La Rosa Thomas J  
; APPLICANT: Kovalic David K  
; APPLICANT: Zhou Yihua  
; APPLICANT: Cao Yongwei  
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With  
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
; FILE REFERENCE: 38-21 (53223) B  
; CURRENT APPLICATION NUMBER: US/10-424,599  
; NUMBER OF SEQ ID NOS: 285684  
; SEQ ID NO: 129806  
; LENGTH: 426  
; TYPE: DNA  
; ORGANISM: Glycine max  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT3847\_88222C.1  
US-10-424-599-129806

Alignment Scores:

| Pred. No. :            | 122   | Length:       | 426 |
|------------------------|-------|---------------|-----|
| Score:                 | 49.00 | Matches:      | 8   |
| Percent Similarity:    | 83.3% | Conservative: | 2   |
| Best Local Similarity: | 66.7% | Mismatches:   | 2   |
| Query Match:           | 56.3% | Indels:       | 0   |
| DB:                    | 7     | Gaps:         | 0   |

SWOP-018-SEQ1 (1-15) x US-10-424-599-129806 (1-426)

| QY | 4 ProProSerglyAlaArgArgAsnCysTyrGlu 15  |
|----|---|
| Db | 226 CCCCCATCCGCCATACGCCAGAGTGCAGCAA 191 |

Search completed: February 13, 2006, 18:01:41  
Job time : 874 secs

**THIS PAGE BLANK (USPTO)**

GenCore version 5.1.7  
 (c) 1993 - 2006 Biocceleration Ltd.

Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - nucleic search, using frame\_plus\_p2n model

Run on: February 13, 2006, 17:28:59 ; Search time 136 Seconds  
 (without alignments)  
 196.055 Million cell updates/sec

Title: SWOP-018-SBQ1

Perfect score: 87

Sequence: 1 yggppsgarrnrye 15

Scoring table: BLOSUM62

|         |      |         |     |
|---------|------|---------|-----|
| Xgapext | 10.0 | Xgapext | 0.5 |
| Ygapext | 10.0 | Ygapext | 0.5 |
| Fgapext | 6.0  | Fgapext | 7.0 |
| Deiop   | 6.0  | Deiext  | 7.0 |

Searched: 1303057 seqs, 888780828 residues

Total number of hits satisfying chosen parameters: 2606114

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
 Maximum Match 100%  
 Listing first 45 summaries

Command line parameters:

```

-MODEL=frame+p2n.model -DEV=x1h
-O=/abs/ABSSWIB/abppool/SWOP018964/runat_10022006_143751_402/app/query.fasta_1
-DB=tissued -PATENTS_NA -QFMT=fatcap SUFFIX=tri -MTNMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=516 -SPART=-1 -END=-1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=0.00 -THR SCORE=PCT -THR MAX=100 -THR MIN=0 -ALIGN=40
-MODE=LOCAL -OUTFORMAT=FASTA -NORMEXT HEAPSIZ=500 -MINLEN=2000000000
-HOST=ABSSA4 -USER=SWOP018964 @CGN 1..193 @runat_10022006_143751_402
-WARN TIMEOUT=30 -THREADS=1 -XGAP=10 -XGAPEXT=0.5 -FGAPOP=6 -FGAPEXT=7
-YGAP=10 -YGAPEXT=0.5 -DELOP=6
  
```

Database : Issued\_Patents\_NA:

- /cgn2\_6/ptodata/1/in/1/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/5/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/6A/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/6B/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/PCUTS/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/PP/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/RE/COMB.seq:\*
- /cgn2\_6/ptodata/1/in/batchfile1.seq:\*

Pred. No. is the number of results Predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

SUMMARIES

| Result No. | Score | Query | Match | Length | DB ID               | Description          |
|------------|-------|-------|-------|--------|---------------------|----------------------|
| 1          | 87    | 100.0 | 4086  | 2      | 08-313-181-1        | Sequence 1, Appli    |
| 2          | 63    | 72.4  | 10785 | 6      | PCP-US99-12912-1    | Sequence 1, Appli    |
| 3          | 63    | 72.4  | 3636  | 2      | US-07-733-5208-1    | Sequence 1, Appli    |
| 4          | 52    | 59.8  | 432   | 3      | US-09-232-991A-1803 | Sequence 1803, Appli |
| c 5        | 52    | 59.8  | 987   | 3      | US-09-232-991A-1816 | Sequence 1876, Appli |
| c 6        | 52    | 59.8  | 1272  | 3      | US-09-235-991A-1816 | Sequence 1876, Appli |
| 7          | 51    | 58.6  | 303   | 3      | US-09-439-039A-6299 | Sequence 6289, Appli |
| c 8        | 51    | 58.6  | 1656  | 3      | US-09-902-540-4534  | Sequence 4534, Appli |
| c 9        | 51    | 58.6  | 10835 | 3      | US-09-902-540-1031  | Sequence 1031, Appli |

RESULT 1  
 US-08-313-181-1  
 ; Sequence 1, Application US/08313181  
 ; Patent No. 5681735

ALIGNMENTS

GENERAL INFORMATION:

APPLICANT: Emerson, Charles P.  
 APPLICANT: Goldhauer, David J.  
 TITLE OF INVENTION: Transcription Control Element for  
 Increasing Gene Expression in Myoblasts

NUMBER OF SEQUENCES: 3

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dann, Dorfman, Herrell and Skillman  
 STREET: 1601 Market Street, Suite 720  
 CITY: Philadelphia  
 STATE: PA

COUNTRY: USA  
 ZIP: 19103  
 COMPUTER READABLE FORM: US/08/313-181  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/313-181  
 FILING DATE: 07-OCT-1994  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Red, Janet E.  
 REGISTRATION NUMBER: 36,252  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (215) 563-4100  
 TELEFAX: (215) 563-4044  
 INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
 LENGTH: 4086 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: not relevant  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 US-08-313-181-1

Alignment Scores:  
 Ped. No.: 0.00331 Length: 4086  
 Score: 87.00 Matches: 15  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 100.0% Indels: 0  
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-313-181-1 (1-4086)

Qy 1 Tyr-Ser-Gly-Pro-Pro-Ser-Gly-Ala-Arg-Arg-Gly-Asn-Cys-Tyr-Glu 15  
 Db 2399 TACAGCGCCCGAGGGGGAACTCTACCAA 2443

RESULT 2  
 PCT-US94-12912-1  
 Sequence 1, Application PC/TUS9412912  
 GENERAL INFORMATION:  
 APPLICANT: UNIVERSITY OF SOUTHERN CALIFORNIA  
 TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: c/o Robbins, Berliner & Carbon  
 STREET: 201 North Figueroa Street, Fifth Floor  
 CITY: Los Angeles  
 STATE: California  
 COUNTRY: U.S.A.  
 ZIP: 90012

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: PCT/US94/12912  
 FILING DATE:  
 CLASSIFICATION:  
 NAME: Spitals, John P.  
 REGISTRATION NUMBER: 29,215  
 REFERENCE/DOCKET NUMBER: 1920-341  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (213) 977-1001  
 TELEFAX: (213) 977-1003  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1785 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 PCT-US94-12912-1

Alignment Scores:  
 Ped. No.: 4.52 Length: 1785  
 Score: 63.00 Matches: 11  
 Percent Similarity: 86.7% Conservative: 2  
 Best Local Similarity: 73.3% Mismatches: 2  
 Query Match: 72.4% Indels: 0  
 DB: 6 Gaps: 0

SEQUENCE CHARACTERISTICS:  
 LENGTH: 4086 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: not relevant  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Homo sapiens  
 US-08-313-181-1

Alignment Scores:  
 Ped. No.: 0.00331 Length: 4086  
 Score: 87.00 Matches: 15  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 100.0% Indels: 0  
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x PCT-US94-12912-1 (1-1785)

Qy 1 Tyr-Ser-Gly-Pro-Pro-Ser-Gly-Ala-Arg-Arg-Gly-Asn-Cys-Tyr-Glu 15  
 Db 793 TACAGCGCCCGAGGGGGAACTCTACCAA 837

RESULT 3  
 US-07-753-520B-1  
 Sequence 1, Application US/07753520B  
 Patent No. 535255  
 GENERAL INFORMATION:  
 APPLICANT: Tapscott, J.; Weintraub, H.M.; Palmer, T.D.  
 TITLE OF INVENTION: "MYOD REGULATORY REGION"  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Christensen, O'Connor and Kindness  
 STREET: 2800 Pacific First Center, 1420 Fifth Avenue  
 CITY: Seattle  
 STATE: Washington  
 COUNTRY: USA  
 ZIP: 98101-2347  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette-5.25 inch, 1.2Mb storage  
 COMPUTER: IBM PC/386 Compatible  
 OPERATING SYSTEM: MS-DOS 4.01  
 SOFTWARE: Word for Windows 8.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/753,520B  
 FILING DATE: 19910903  
 CLASSIFICATION: 415  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: none  
 FILING DATE: none  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Sundstroem, John, S.  
 REGISTRATION NUMBER: 34,446  
 REFERENCE/DOCKET NUMBER: FFCR-1-5789  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 1-206-682-8100; 1-206-224-0727 (direct)  
 TELEFAX: 1-206-224-0779  
 TELEX: 4938033  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3636 base pairs  
 TYPE: NUCLEIC ACID  
 STRANDEDNESS: Single  
 TOPOLOGY: linear  
 MOLECULE TYPE: genomic DNA  
 DESCRIPTION: myod Genomic; proximal regulatory region myod gene; Figures 1A, 1B,  
 US-07-753-520B-1

Alignment Scores:  
 Ped. No.: 9.77 Length: 3636  
 Score: 63.00 Matches: 11  
 Percent Similarity: 86.7% Conservative: 2  
 Best Local Similarity: 73.3% Mismatches: 2  
 Query Match: 72.4% Indels: 0  
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-07-753-520B-1 (1-3636)

Qy 1 Tyr-Ser-Gly-Pro-Pro-Ser-Gly-Ala-Arg-Arg-Gly-Asn-Cys-Tyr-Glu 15  
 Db 2133 TACAGCGCCCGAGGGGGAACTCTACCAA 2177

RESULT 4  
 US-09-252-991A-2087  
 Sequence 2087, Application US/09252991A  
 Patent No. 6551195  
 GENERAL INFORMATION:  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196-136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIORITY NUMBER: US 60/074,788  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO: 1876  
; LENGTH: 1272  
; TYPE: DNA  
; ORGANISM: *Pseudomonas aeruginosa*  
; US-09-252-991A-1876

Alignment Scores:  
Pred. No.: 129 Length: 1272  
Score: 52.00 Matches: 8  
Percent Similarity: 90.9% Conservative: 2  
Best Local Similarity: 72.7% Mismatches: 1  
Query Match: 59.8% Indels: 0  
DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-252-991A-1876 (1-1272)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 760 GGGCGCCGAACTGATCGGGTGCAGGGATGC 728

RESULT 7  
US-09-489-039A-6289  
; Sequence 6289, Application US/09489039A  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al.  
; Patent No. 6610336  
; TITLE OF INVENTION: PEPTIDE ANALOGUE FOR PNEUMONIA AND THERAPEUTICS

FILE REFERENCE: 107196-136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIORITY NUMBER: US 60/074,788  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO: 1803  
; LENGTH: 987  
; TYPE: DNA  
; ORGANISM: *Pseudomonas aeruginosa*  
; US-09-252-991A-1803

Alignment Scores:  
Pred. No.: 98 Length: 987  
Score: 52.00 Matches: 8  
Percent Similarity: 90.9% Conservative: 2  
Best Local Similarity: 72.7% Mismatches: 1  
Query Match: 59.8% Indels: 0  
DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-252-991A-1803 (1-987)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 809 GGGCGCCGAACTGATCGGGTGCAGGGATGC 777

RESULT 6  
US-09-252-991A-1876/c  
; Sequence 1876, Application US/09252991A  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; PRIORITY NUMBER: US 6551795  
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196-136  
; CURRENT APPLICATION NUMBER: US/09/252,991A  
; CURRENT FILING DATE: 1999-02-18  
; PRIORITY NUMBER: US 60/074,788  
; PRIOR APPLICATION NUMBER: US 60/074,788  
; PRIOR FILING DATE: 1998-02-18  
; PRIOR APPLICATION NUMBER: US 60/094,190  
; PRIOR FILING DATE: 1998-07-27  
; NUMBER OF SEQ ID NOS: 33142  
; SEQ ID NO: 1876  
; LENGTH: 1272  
; TYPE: DNA  
; ORGANISM: *Pseudomonas aeruginosa*  
; US-09-252-991A-1876

Alignment Scores:  
Pred. No.: 129 Length: 1272  
Score: 52.00 Matches: 8  
Percent Similarity: 90.9% Conservative: 2  
Best Local Similarity: 72.7% Mismatches: 1  
Query Match: 59.8% Indels: 0  
DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-252-991A-1876 (1-1272)

Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
Db 760 GGGCGCCGAACTGATCGGGTGCAGGGATGC 728

RESULT 7  
US-09-489-039A-6289  
; Sequence 6289, Application US/09489039A  
; GENERAL INFORMATION:  
; APPLICANT: Gary Breton et. al.  
; Patent No. 6610336  
; TITLE OF INVENTION: PNEUMONIA FOR DIAGNOSTICS AND THERAPEUTICS  
; FILE REFERENCE: 2709-2004001  
; CURRENT APPLICATION NUMBER: US/09/489, 039A  
; CURRENT FILING DATE: 2000-01-27  
; PRIORITY NUMBER: US 60/117,747  
; PRIOR FILING DATE: 1999-01-29  
; NUMBER OF SEQ ID NOS: 14342  
; SEQ ID NO: 6289  
; LENGTH: 303  
; TYPE: DNA  
; ORGANISM: *Klebsiella pneumoniae*  
; US-09-489-039A-6289

Alignment Scores:  
Pred. No.: 38.2 Length: 303  
Score: 51.00 Matches: 9  
Percent Similarity: 81.8% Conservative: 0  
Best Local Similarity: 81.8% Mismatches: 2  
Query Match: 58.6% Indels: 0  
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-489-039A-6289 (1-303)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgAsnCys 11  
Db 189 TATTCAGGGCCGCCCTGACGGAATAGGCCGTCGA 221

RESULT 8  
US-09-902-540-4534/c  
; Sequence 4534, Application US/09902540  
; GENERAL INFORMATION:  
; APPLICANT: Goldthwait, Barry S.  
; Patent No. 6833447  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196-136  
; Sequence 1876, Application US/09252991A  
; GENERAL INFORMATION:  
; APPLICANT: Marc J. Rubenfield et al.  
; PRIORITY NUMBER: US 6551795  
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
; TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 38-10(15849)B

CURRENT APPLICATION NUMBER: US/03/902,540  
 CURRENT FILING DATE: 2001-07-10  
 PRIOR APPLICATION NUMBER: 60/217,883  
 PRIOR FILING DATE: 2000-07-10  
 NUMBER OF SEQ ID NOS: 16825  
 SEQ ID NO: 4534  
 LENGTH: 1656  
 TYPE: DNA  
 ORGANISM: *Myxococcus xanthus*  
 US-09-902-540-4534

Alignment Scores:  
 Pred. No.: 241 Length: 1656  
 Score: 51.00 Matches: 8  
 Percent Similarity: 76.9% Conservative: 2  
 Best Local Similarity: 61.5% Mismatches: 3  
 Query Match: 58.6% Indels: 0  
 DB: 3

SWOP-018-SEQ1 (1-15) x US-09-902-540-4534 (1-1656)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 439 CATCCAGGGCACCGGCTGCCGTAGAGACGCCGTTCT 401

RESULT 9  
 US-09-902-540-1031/C  
 Sequence 1031, Application US/09902540  
 Patent No. 6833447  
 GENERAL INFORMATION:  
 APPLICANT: Goldman, Barry S.  
 APPLICANT: Hinkle, Gregory J.  
 APPLICANT: Slater, Steven C.  
 APPLICANT: Wiegand, Roger C.  
 TITLE OF INVENTION: *Myxococcus xanthus* Genome Sequences and Uses Thereof  
 FILE REFERENCE: 38-10-115849.B  
 CURRENT APPLICATION NUMBER: US/09/902,540  
 CURRENT FILING DATE: 2001-07-10  
 PRIOR APPLICATION NUMBER: 60/217,883  
 PRIOR FILING DATE: 2000-07-10  
 NUMBER OF SEQ ID NOS: 16825  
 SEQ ID NO: 1031  
 LENGTH: 10835  
 TYPE: DNA  
 ORGANISM: *Myxococcus xanthus*  
 US-09-902-540-1031

Alignment Scores:  
 Pred. No.: 1.85e+03 Length: 10835  
 Score: 51.00 Matches: 8  
 Percent Similarity: 76.9% Conservative: 2  
 Best Local Similarity: 61.5% Mismatches: 3  
 Query Match: 58.6% Indels: 0  
 DB: 3

SWOP-018-SEQ1 (1-15) x US-09-902-540-1031 (1-10835)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 3980 CATCCAGGGCACCGGCTGCCGTAGAGACGCCGTTCT 3942

RESULT 10  
 US-09-016-434-285  
 Sequence 285, Application US/09016434  
 Patent No. 6500938  
 GENERAL INFORMATION:  
 APPLICANT: Jeffrey J. Seilhamer  
 TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
 TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
 NUMBER OF SEQUENCES: 1490  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 PORTER DRIVE  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94104  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/016,434  
 FILING DATE: HEREWTH  
 CLASSIFICATION:  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Zeller, Karen J.  
 REGISTRATION NUMBER: 37,071  
 REFERENCE/DOCKET NUMBER: PA-0002 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 855-0555  
 TELEFAX: (650) 845-4166  
 INFORMATION FOR SEQ ID NO: 285:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 202 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 IMMEDIATE SOURCE:  
 LIBRARY: BADNOT06  
 CLONE: 1723064  
 US-09-016-434-285

Alignment Scores:  
 Pred. No.: 34.5 Length: 202  
 Score: 50.00 Matches: 8  
 Percent Similarity: 81.8% Conservative: 1  
 Best Local Similarity: 72.7% Mismatches: 2  
 Query Match: 57.5% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-016-434-285 (1-202)

Qy 3 GLYProProSerGlyAlaArgArgArgAsnCys 13  
 Db 132 GGCACCTACGGTTGAGAGGAGACCTGC 164

RESULT 11  
 US-09-002-540-3430/C  
 Sequence 3430, Application US/09902540  
 Patent No. 6833447  
 GENERAL INFORMATION:  
 APPLICANT: Goldman, Barry S.  
 APPLICANT: Hinkle, Gregory J.  
 APPLICANT: Slater, Steven C.  
 APPLICANT: Wiegand, Roger C.  
 TITLE OF INVENTION: *Myxococcus xanthus* Genome Sequences and Uses Thereof  
 FILE REFERENCE: 38-10-115849.B  
 CURRENT APPLICATION NUMBER: US/09/902,540  
 CURRENT FILING DATE: 2001-07-10  
 PRIOR APPLICATION NUMBER: 60/217,883  
 PRIOR FILING DATE: 2000-07-10  
 NUMBER OF SEQ ID NOS: 16825  
 SEQ ID NO: 330  
 LENGTH: 783  
 TYPE: DNA  
 ORGANISM: *Myxococcus xanthus*  
 US-09-902-540-3430

Alignment Scores:

Pred. No.: 150 Length: 783  
 Score: 50.00 Matches: 9  
 Percent Similarity: 100.0% Conservative: 1  
 Best Local Similarity: 90.0% Mismatches: 0  
 Query Match: 57.5% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-3430 (1-783)

Qy 2 SerGlyProProSerGlyAlaArgArgArg 11  
 Db 91 ACCGGTCAACCTCTGGCTCGGCAGCGC 62

RESULT 12  
 US-09-902-540-1162  
 ; Sequence 1162, Application US/09902540  
 ; Patent No. 6833447  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Wiegand, Roger C.  
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
 ; FILE REFERENCE: 38-10 (15849) B  
 ; CURRENT APPLICATION NUMBER: US/09/902,540  
 ; CURRENT FILING DATE: 2001-07-10  
 ; PRIOR APPLICATION NUMBER: 60/217,883  
 ; PRIOR FILING DATE: 2000-07-10  
 ; NUMBER OF SEQ ID NOS: 16825  
 ; SEQ ID NO: 1162  
 ; LENGTH: 18192  
 ; TYPE: DNA  
 ; ORGANISM: Myxococcus xanthus  
 ; US-09-902-540-1162

Alignment Scores:  
 Pred. No.: 4.556+03 Length: 18192  
 Score: 50.00 Matches: 9  
 Percent Similarity: 100.0% Conservative: 1  
 Best Local Similarity: 90.0% Mismatches: 0  
 Query Match: 57.5% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-1162 (1-18192)

Qy 2 SerGlyProProSerGlyAlaArgArgArg 11  
 Db 16821 ACCGGTCAACCTCTGGCTCGGCAGCGC 16850

RESULT 13  
 US-09-949-016-4090/C  
 ; Sequence 4090, Application US/09949016  
 ; Patent No. 6812339  
 ; GENERAL INFORMATION:  
 ; APPLICANT: VENTER, J. Craig et al.  
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 ; FILE REFERENCE: CL001307  
 ; CURRENT APPLICATION NUMBER: US/09/949, 016  
 ; CURRENT FILING DATE: 2000-04-14  
 ; PRIOR APPLICATION NUMBER: 60/241,755  
 ; PRIOR FILING DATE: 2000-10-20  
 ; PRIOR APPLICATION NUMBER: 60/237,768  
 ; PRIOR FILING DATE: 2000-10-03  
 ; PRIOR APPLICATION NUMBER: 60/231,498  
 ; PRIOR FILING DATE: 2000-09-08  
 ; NUMBER OF SEQ ID NOS: 207012  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 4090  
 ; LENGTH: 1348  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 ; US-09-949-016-4090

Alignment Scores:  
 Pred. No.: 379 Length: 1348  
 Score: 49.00 Matches: 8  
 Percent Similarity: 81.8% Conservative: 1  
 Best Local Similarity: 72.7% Mismatches: 2  
 Query Match: 56.3% Indels: 0  
 DB: 0 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-949-016-4090 (1-1348)

Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 493 GGACTCCGTCAGGTGCTGAGGAGGTGC 461

RESULT 14  
 US-09-902-540-9457/C  
 ; Sequence 9457, Application US/09902540  
 ; Patent No. 6833447  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Wiegand, Roger C.  
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
 ; FILE REFERENCE: 38-10 (15849) B  
 ; CURRENT APPLICATION NUMBER: US/09/902,540  
 ; CURRENT FILING DATE: 2001-07-10  
 ; PRIOR APPLICATION NUMBER: 60/217,883  
 ; PRIOR FILING DATE: 2000-07-10  
 ; NUMBER OF SEQ ID NOS: 16825  
 ; SEQ ID NO: 9457  
 ; LENGTH: 1449  
 ; TYPE: DNA  
 ; ORGANISM: Myxococcus xanthus  
 ; US-09-902-540-9457

Alignment Scores:  
 Pred. No.: 410 Length: 1449  
 Score: 49.00 Matches: 9  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 56.3% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-9457 (1-1449)

Qy 3 GlyProProSerGlyAlaArgArgArg 11  
 Db 199 GTTCTCCGTCAGGTGAGGCCAGAGCGG 173

RESULT 15  
 US-09-902-540-1007  
 ; Sequence 1007, Application US/09902540  
 ; Patent No. 6833447  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Goldman, Barry S.  
 ; APPLICANT: Hinkle, Gregory J.  
 ; APPLICANT: Slater, Steven C.  
 ; APPLICANT: Wiegand, Roger C.  
 ; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof  
 ; FILE REFERENCE: 38-10 (15849) B  
 ; CURRENT APPLICATION NUMBER: US/09/902,540  
 ; CURRENT FILING DATE: 2001-07-10  
 ; PRIOR APPLICATION NUMBER: 60/217,883  
 ; PRIOR FILING DATE: 2000-07-10  
 ; NUMBER OF SEQ ID NOS: 16825  
 ; SEQ ID NO: 1007  
 ; LENGTH: 13466  
 ; TYPE: DNA  
 ; ORGANISM: Myxococcus xanthus  
 ; US-09-902-540-1007

Alignment Scores:  
 Pred. No.: 4.6e+03 Length: 13466  
 Score: 49.00 Matches: 9  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 56.3% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-1007 (1-13466)  
 Qy 3 GlyProProSerGlyAlaArgArgArg 11  
 Db 2126 GGTCTCTGGTCTGGAGCAGAACGG 2152

RESULT 16  
 US-09-949-016-15832/c  
 Sequence 15832, Application US/09949016  
 Patent No. 6812339

GENERAL INFORMATION  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CLO01307  
 CURRENT APPLICATION NUMBER: US/09/949,016  
 CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-20  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 20/012  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 15832  
 LENGTH: 17723  
 TYPE: DNA  
 ORGANISM: Human  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1) .(17723)  
 OTHER INFORMATION: n = A,T,C or G  
 US-09-949-016-15832

Alignment Scores:  
 Pred. No.: 6.2e+03 Length: 17723  
 Score: 49.00 Matches: 8  
 Percent Similarity: 81.8% Conservative: 1  
 Best Local Similarity: 72.7% Mismatches: 2  
 Query Match: 56.3% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-949-016-15832 (1-17723)  
 Qy 3 GlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 8565 GGACCTCGTCAGGTGTCGAGGAAGTTGC 8533

RESULT 17  
 US-08-470-179-186/c  
 Sequence 186, Application US/08470179  
 Patent No. 5645994

GENERAL INFORMATION  
 APPLICANT: Huang, Ph. D., Wai Mun  
 TITLE OF INVENTION: Method and Compositions for Identification of Species in a Sample  
 NUMBER OF SEQUENCES: 207  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Trask, Britt and Rossa  
 STREET: P.O. Box 2550  
 CITY: Salt Lake City  
 STATE: Utah  
 COUNTRY: USA  
 ZIP: 84110

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/470,179  
 FILING DATE:  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Swiebert, Ph. D., Susan E.  
 REGISTRATION NUMBER: 36,289  
 REFERENCE/DOCKET NUMBER: 2601  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 801-531-1922  
 TELEFAX: 801-531-9168  
 INFORMATION FOR SEQ ID NO: 186:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 423 base pairs  
 STRANDEDNESS: double  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: not relevant  
 MOLECULE TYPE: DNA (genomic)  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 ORIGINAL SOURCE:  
 ORGANISM: Thermus aquaticus  
 US-08-470-179-186

Alignment Scores:  
 Pred. No.: 151 Length: 423  
 Score: 48.00 Matches: 8  
 Percent Similarity: 72.7% Conservative: 0  
 Best Local Similarity: 72.7% Mismatches: 3  
 Query Match: 55.2% Indels: 0  
 DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-470-179-186 (1-423)  
 Qy 3 GlyProProSerGlyAlaArgArgAsnCys 13  
 Db 58 GGACCCCTCCCTGATGGCGGAAGGGATGC 26

RESULT 18  
 US-09-902-540-7412/c  
 Sequence 7412, Application US/09902540  
 Patent No. 6833447

GENERAL INFORMATION:  
 APPLICANT: Goldman, Barry S.  
 Hinkle, Gregory J.  
 APPLICANT: Slater, Steven C.  
 APPLICANT: Wiegand, Roger C.  
 TITLE OF INVENTION: Myzococcus xanthus Genome Sequences and Uses Thereof  
 FILE REFERENCE: 38-101158491/B  
 CURRENT APPLICATION NUMBER: US/09/902,540  
 CURRENT FILING DATE: 2001-07-10  
 PRIOR APPLICATION NUMBER: 60/217,883  
 PRIOR FILING DATE: 2000-07-10  
 NUMBER OF SEQ ID NOS: 16825  
 SEQ ID NO 7412  
 LENGTH: 1209  
 TYPE: DNA  
 ORGANISM: Myzococcus xanthus  
 US-09-902-540-7412

Alignment Scores:  
 Pred. No.: 472 Length: 1209  
 Score: 48.00 Matches: 9  
 Percent Similarity: 100.0% Conservative: 0  
 Best Local Similarity: 100.0% Mismatches: 0  
 Query Match: 55.2% Indels: 0  
 DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-7412 (1-1209)

Qy 2 SerGlyProProSerGlyAlaAlaArgArg 10  
Db 1096 TCACTCTCTCTGGGGTACGGTAGGGAGGAGCTTT 1070

RESULT 19  
US-09-328-352-5/c

Sequence 5, Application US/09328352

Patent No. 6562938

GENERAL INFORMATION:

APPLICANT: Gary L. Breton et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER

TITLE OF INVENTION: BAUMANNI FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: GTC9-03PA

CURRENT APPLICATION NUMBER: US/09/328,352

CURRENT FILING DATE: 1999-06-04

NUMBER OF SEQ ID NOS: 8252

SEQ ID NO 5

LENGTH: 1299

TYPE: DNA

ORGANISM: Acinetobacter baumannii

US-09-328-352-5

Alignment Scores:

| Pred. No.:             | 511   | Length:       | 1299 |
|------------------------|-------|---------------|------|
| Score:                 | 48.00 | Matches:      | 8    |
| Percent Similarity:    | 90.0% | Conservative: | 1    |
| Best Local Similarity: | 80.0% | Mismatches:   | 1    |
| Query Match:           | 55.2% | Indels:       | 0    |
| DB:                    | 3     | Gaps:         | 0    |

SWOP-018-SEQ1 (1-15) x US-09-328-352-5 (1-1299)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13  
Db 751 CGGCCATCAGGGCGGACGAGCTATGC 722

RESULT 20  
US-09-428-589-1/c

Sequence 1, Application US/09428589

Patent No. 6403102

GENERAL INFORMATION:

APPLICANT: Murdin, Andrew

TITLE OF INVENTION: CHLAMYDIA ANTIGENS AND CORRESPONDING DNA FRAGMENTS AND

USES THEREOF

FILE REFERENCE: 19721-008

CURRENT APPLICATION NUMBER: US/09/428,589

CURRENT FILING DATE: 1999-10-27

EARLIER APPLICATION NUMBER: 60/106,071

EARLIER FILING DATE: 1998-10-29

EARLIER APPLICATION NUMBER: 60/133,202

EARLIER FILING DATE: 1999-05-07

NUMBER OF SEQ ID NOS: 4

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1

LENGTH: 1400

TYPE: DNA

ORGANISM: Chlamydia pneumoniae

FEATURE:

NAME/KEY: CDS

LOCATION: (101) .. (1273)

US-09-428-589-1

Alignment Scores:

| Pred. No.:             | 554   | Length:       | 1400 |
|------------------------|-------|---------------|------|
| Score:                 | 48.00 | Matches:      | 8    |
| Percent Similarity:    | 71.4% | Conservative: | 2    |
| Best Local Similarity: | 57.1% | Mismatches:   | 4    |
| Query Match:           | 55.2% | Indels:       | 0    |
| DB:                    | 3     | Gaps:         | 0    |

SWOP-018-SEQ1 (1-15) x US-09-428-589-1 (1-1400)

Qy 1 TyrSerGlyProProSerGlyAlaArgArgArgAsnCysTyr 14  
Db 324 TATAGCGGAGTCAGGGTACGGTAGGGAGGAGCTTT 283

RESULT 21  
US-08-427-497B-5/c

Sequence 5, Application US/08427497B

Patent No. 5969124

GENERAL INFORMATION:

APPLICANT: Lemmon, Vance

TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of LiCAM and

TITLE OF INVENTION: Nucleotide Sequence of LiCAM and

Patent No. 5969124

TITLE OF INVENTION: the Nucleotide Sequence

TITLE OF INVENTION: Characterized Therapy

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fay, Sharpe, Beall, Fagan,

ADDRESSEE: Munich & McKee

STREET: 1100 Superior Avenue

CITY: Cleveland

STATE: Ohio

ZIP: 44114-2518

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb

MEDIUM TYPE: storabile

COMPUTER: Compaq Prolinea 5100e

OPERATING SYSTEM: DOS 5.0

SOFTWARE: ASCII

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/427,497E

FILING DATE: April 24, 1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/904,991

FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Minnich, Richard J.

REGISTRATION NUMBER: 24,175

TELEPHONE: (216) 867-5582

TELEFAX: (216) 241-1666

TELEX: (216) 980162

INFORMATION FOR SEQ ID NO: 5:

REFERENCE/DOCKET NUMBER: CWR 2 149-3-1

SEQUENCE CHARACTERISTICS:

LENGTH: 1794

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: nucleic acids

HYPOTHETICAL: irrelevant

ANTI-SENSE: no

ORIGINAL SOURCE:

ORGANISM: homo sapiens

INDIVIDUAL ISOLATE: 17-18 week fetus

IMMEDIATE SOURCE:

LIBRARY: Stratagene cDNA Library 936206

CLONE: 17

PUBLICATION INFORMATION:

AUTHORS: Hlavin, Mary Louise

AUTHORS: Lemmon, Vance

TITLE: Molecular structure and functional testing of

TITLE: human LiCAM: an interspecies comparison.

JOURNAL: GENOMICS

VOLUME: 11

ISSUE: 416-423

PAGES: 416-423

DATE: 1991

RELEVANT RESIDUES IN SEQ ID NO: 2731 to 4503

US-08-427-497E-5

Alignment Scores:  
Pred. No.: 725 Length: 1794  
Score: 48.00 Matches: 8  
Percent Similarity: 83.3% Conservative: 2  
Best Local Similarity: 65.7% Mismatches: 2  
Query Match: 55.2% Indels: 0  
DB: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-427-497E-5 (1-1794)

Qy 2 serglyProProSerGlyAlaArgArgArgAsnCys 13  
Db 418 ACTGGCCCTCCCTGGGGCCCCAGGAGCAGACTGT 3 83

RESULT 22  
US-08-427-497E-4/C  
; Sequence 4, Application US/08427497E  
; Patent No. 5969124

GENERAL INFORMATION:  
APPLICANT: Lemmon, Vance  
TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of L1CAM and  
TITLE OF INVENTION: Nucleotide Sequence of L1CAM and  
Patent No. 5969124  
TITLE OF INVENTION: the Nucleotide Sequence  
TITLE OF INVENTION: Characterized Thereby  
NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fay, Sharpe, Beall, Fagan,  
ADDRESS: Minnich & McKee  
STREET: 1100 Superior Avenue  
CITY: Cleveland  
STATE: Ohio  
COUNTRY: U.S.A.  
ZIP: 44114-2518

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb  
COMPUTER: Compaq Prolinea 5100e  
OPERATING SYSTEM: DOS 5.0  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/427,497E  
FILING DATE: April 24, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/904,991  
FILING DATE: June 26, 1992  
NAME: Minnich, Richard J.  
REGISTRATION NUMBER: 24,175  
REFERENCE/DOCKET NUMBER: CMR 2 149-3-1

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (216) 861-5582  
TELEFAX: (216) 241-1666  
TELEX: (216) 980162

INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 2600  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: nucleic acids  
HYPOTHETICAL: irrelevant  
ANTI-SENSE: no  
ORIGINAL SOURCE:  
ORGANISM: homo sapiens  
INDIVIDUAL ISOLATE: 17-18 week fetus  
IMMEDIATE SOURCE:  
LIBRARY: Stratagene cDNA Library 936206  
CLONE: 4

PUBLICATION INFORMATION:  
AUTHORS: Hlaviv, Mary Louise  
AUTHORS: Lemmon, Vance  
TITLE: Molecular structure and functional testing of human L1CAM: an interspecies comparison.  
JOURNAL: GENOMICS  
VOLUME: 11  
ISSUE:  
PAGES: 416-423  
DATE: 1991  
RELEVANT RESIDUES IN SEQ ID NO: 1108 to 3708  
US-08-427-497E-4

Alignment Scores:  
Pred. No.: 1.08e+03 Length: 2600  
Score: 48.00 Matches: 8  
Percent Similarity: 83.3% Conservative: 2  
Best Local Similarity: 66.7% Mismatches: 2  
Query Match: 55.2% Indels: 0  
Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-427-497E-4 (1-2600)  
; Sequence 3, Application US/08427497E  
; Patent No. 5969124

GENERAL INFORMATION:  
APPLICANT: Lemmon, Vance  
TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of L1CAM and  
TITLE OF INVENTION: Nucleotide Sequence of L1CAM and  
Patent No. 5969124  
TITLE OF INVENTION: the Nucleotide Sequence  
TITLE OF INVENTION: Characterized Thereby  
NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fay, Sharpe, Beall, Fagan,  
ADDRESS: Minnich & McKee  
STREET: 1100 Superior Avenue  
CITY: Cleveland  
STATE: Ohio  
COUNTRY: U.S.A.  
ZIP: 44114-2518

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb  
COMPUTER: Compaq Prolinea 5100e  
OPERATING SYSTEM: DOS 5.0  
SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/427,497E  
FILING DATE: April 24, 1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/904,991  
FILING DATE: June 26, 1992  
NAME: Minnich, Richard J.  
REGISTRATION NUMBER: 24,175  
REFERENCE/DOCKET NUMBER: CMR 2 149-3-1

TELECOMMUNICATION INFORMATION:  
TELEPHONE: (216) 861-5582  
TELEFAX: (216) 241-1666  
TELEX: (216) 980162

INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3189  
TYPE: nucleic acid

STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: nucleic acids  
 HYPOTHETICAL: irrelevant  
 ANTI-SENS: no  
 ORIGINAL SOURCE:  
 ORGANISM: homo sapiens  
 INDIVIDUAL ISOLATE: 17-18 week fetus

IMMEDIATE SOURCE:  
 LIBRARY: Stratagene cDNA Library 936206  
 CLONE: 3.1

PUBLICATION INFORMATION:  
 AUTHORS: Hlavin, Mary Louise  
 AUTHORS: Lemmon, Vance  
 TITLE: Molecular structure and functional testing of  
 TITLE: human LIGCAM: an interspecies comparison.  
 JOURNAL: GENOMICS  
 VOLUME: 11  
 ISSUE:  
 PAGES: 416-423  
 DATE: 1991  
 RELEVANT RESIDUES IN SEQ ID NO: 548 to 3736

US-08-427-497E-3

Alignment Scores:  
 Pred. No.: 1.35e+03 Length: 3189  
 Score: 48.00 Matches: 6  
 Percent Similarity: 83.3% Conservative: 2  
 Best Local Similarity: 66.7% Mismatches: 2  
 Query Match: 55.2% Indels: 0  
 DB: 2580 ACTGACCTCTGGACCCAGGAGCACCT 2545

SWOP-018-SEQ1 (1-15) x US-08-427-497E-3 (1-3189)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 2580 ACTGACCTCTGGACCCAGGAGCACCT 2545

RESULT 24

US-09-949-016-12325/c

Sequence 12325, Application US/09949016

GENERAL INFORMATION:  
 APPLICANT: VENTER, J. Craig et al.  
 TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
 FILE REFERENCE: CL001307

CURRENT FILING DATE: 2000-04-14  
 PRIOR APPLICATION NUMBER: 60/241,755  
 PRIOR FILING DATE: 2000-10-00  
 PRIOR APPLICATION NUMBER: 60/237,768  
 PRIOR FILING DATE: 2000-10-03  
 PRIOR APPLICATION NUMBER: 60/231,498  
 PRIOR FILING DATE: 2000-09-08  
 NUMBER OF SEQ ID NOS: 207012  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO: 12325  
 LENGTH: 3508  
 TYPE: DNA  
 ORGANISM: Human  
 FEATURE:  
 NAME/KEY: misc\_feature  
 LOCATION: (1) .. (3508)  
 OTHER INFORMATION: n = A,T,C or G

US-09-949-016-12325

Alignment Scores:  
 Pred. No.: 1.5e+03 Length: 3508  
 Score: 48.00 Matches: 6  
 Percent Similarity: 84.6% Conservative: 5  
 Best Local Similarity: 46.2% Mismatches: 2  
 Query Match: 55.2% Indels: 0

RESULT 25

US-08-427-843B-1/c

Sequence 1, Application US/08341843B  
 Patent No. 587225

GENERAL INFORMATION:  
 APPLICANT: Lemmon, Vance  
 TITLE OF INVENTION: A Method for Characterizing the  
 Nucleotide Sequence of LIGCAM and  
 Patent No. 587225

TITLE OF INVENTION: the Nucleotide Sequence  
 TITLE OF INVENTION: Characterized Thereby  
 NUMBER OF SEQUENCES: 39

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fay, Sharpe, Beall, Fagan,  
 ADDRESS: Minnich & McKee  
 STREET: 1100 Superior Avenue  
 STREET: Suite 700  
 CITY: Cleveland  
 STATE: Ohio  
 COUNTRY: U.S.A.  
 ZIP: 44114-2518

COMPUTER READABLE FORM:  
 COMPUTER TYPE: Diskette, 3.50 inch, 720 kB  
 MEDIUM TYPE: storables  
 COMPUTER: Compaq Prolinea 5100e  
 OPERATING SYSTEM: DOS 5.0  
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/341,843B  
 FILING DATE: No. 587225ember 18, 1994  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/904,991  
 FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:  
 NAME: Minnich, Richard J.  
 REGISTRATION NUMBER: 24,175  
 REFERENCE/DOCKET NUMBER: CWR 2 149-1  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (216) 861-5582  
 TELEFAX: (216) 241-1666  
 TELEX: (216) 980162  
 INFORMATION FOR SEQ ID NO: 1:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3774  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: irrelevant  
 ANTI-SENSE: no  
 ORIGINAL SOURCE:  
 ORGANISM: Homo Sapiens  
 INDIVIDUAL ISOLATE: 17-18 week fetus

LIBRARY: Stratagene cDNA Library 936206  
 CLONE: Synthesis of 4 clones

PUBLICATION INFORMATION:  
 AUTHORS: Hlavin, Mary Louise  
 AUTHORS: Lemmon, Vance  
 TITLE: Molecular structure and functional  
 TITLE: testing of human LIGCAM: an  
 TITLE: interspecies comparison.  
 JOURNAL: GENOMICS  
 VOLUME: 11

ISSUE: 416-423  
 PAGE: 416-423  
 DATE: 1991  
 RELEVANT RESIDUES IN SEQ ID NO: 1 to 3774  
 US-08-341-843B-1

Alignment Scores:  
 Piped. No.: 1.62e+03 Length: 3774  
 Score: 48.00 Matches: 8  
 Percent Similarity: 83.3% Conservative: 2  
 Best Local Similarity: 66.7% Mismatches: 2  
 Query Match: 55.2% Indels: 0  
 DB: 2 Gaps: 0

SHOP-018-SEQ1 (1-15) x US-08-341-843B-1 (1-3774)

Qy 2 SerGlyProProSerGlyAlaArgArgArgArgAsnCys 13  
 Db 3127 ACTGGCCCTCTGGGACCCAGGAGACACTGT 3092

RESULT 26  
 US-08-427-497E-1/C  
 Sequence 1, Application US/08427497E  
 Patent No. 5969124

GENERAL INFORMATION:  
 APPLICANT: Lemmon, Vance  
 TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of LiCAM and  
 TITLE OF INVENTION: Nucleotide Sequence of LiCAM and  
 Patent No. 5969124  
 TITLE OF INVENTION: the Nucleotide Sequence Characterized Thereby  
 NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fay, Sharpe, Beall, Pagan,  
 ADDRESS: Minnich & McKee  
 STREET: 1100 Superior Avenue  
 STREET: Suite 700  
 CITY: Cleveland  
 STATE: Ohio  
 COUNTRY: U.S.A.  
 ZIP: 44114-2518

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb  
 MEDIUM TYPE: storables  
 COMPUTER: Compaq Prolinea 5100e  
 OPERATING SYSTEM: DOS 5.0  
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/427,497E  
 FILING DATE: April 24, 1995  
 CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 07/904,991  
 FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:  
 NAME: Minnich, Richard J.  
 REGISTRATION NUMBER: 24,175  
 REFERENCE/DOCKET NUMBER: CWR 2 149-3-1

TELECOMMUNICATION:  
 TELEPHONE: (216) 861-5582  
 TELEFAX: (216) 241-1666  
 TELLEX: (216) 980162

SEQUENCE CHARACTERISTICS:  
 LENGTH: 3774  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: nucleic acids  
 HYPOTHETICAL: irrelevant  
 ANTI-SENSE: no  
 ORIGINAL SOURCE: Homo Sapiens  
 ORGANISM: Homo Sapiens

INDIVIDUAL ISOLATE: 17-18 week fetus  
 IMMEDIATE SOURCE:  
 LIBRARY: Stratagene cDNA Library 936206  
 CLONE: synthesis of 4 clones  
 PUBLICATION INFORMATION:  
 AUTHORS: Hlaviv, Mary Louise  
 AUTHORS: Lemmon, Vance  
 TITLE: Molecular structure and functional  
 TITLE: testing of human LiCAM: an  
 TITLE: interspecies comparison.  
 JOURNAL: GENOMICS  
 VOLUME: 11  
 ISSUE:  
 PAGES: 416-423  
 DATE: 1991  
 RELEVANT RESIDUES IN SEQ ID NO: 1 to 3774  
 US-08-427-497E-1

Alignment Scores:  
 Pred. No.: 1.62e+03 Length: 3774  
 Score: 48.00 Matches: 8  
 Percent Similarity: 83.3% Conservative: 2  
 Best Local Similarity: 55.2% Mismatches: 2  
 Query Match: 2 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-427-497E-1 (1-3774)

Qy 2 SerGlyProProSerGlyAlaArgArgArgAsnCys 13  
 Db 3127 ACTGGCCCTCTGGGACCCAGGAGACACTGT 3092

RESULT 27  
 US-08-427-497E-2/C  
 Sequence 2, Application US/08427497E  
 Patent No. 5969124

GENERAL INFORMATION:  
 APPLICANT: Lemmon, Vance  
 TITLE OF INVENTION: A Method for Characterizing the Nucleotide Sequence of LiCAM and  
 TITLE OF INVENTION: Nucleotide Sequence of LiCAM and  
 Patent No. 5969124  
 TITLE OF INVENTION: the Nucleotide Sequence Characterized Thereby  
 NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:  
 PATENT NO. 5969124  
 TITLE OF INVENTION: the Nucleotide Sequence Characterized Thereby  
 NUMBER OF SEQUENCES: 44  
 NUMBER OF SEQUENCES: 44  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fay, Sharpe, Beall, Pagan,  
 ADDRESS: Minnich & McKee  
 STREET: 1100 Superior Avenue  
 STREET: Suite 700  
 CITY: Cleveland  
 STATE: Ohio  
 COUNTRY: U.S.A.  
 ZIP: 44114-2518

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette, 3.50 inch, 720 Kb  
 MEDIUM TYPE: storables  
 COMPUTER: Compaq Prolinea 5100e  
 OPERATING SYSTEM: DOS 5.0  
 SOFTWARE: ASCII

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/427,497E  
 FILING DATE: April 24, 1995  
 CLASSIFICATION: 435

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 07/904,991  
 FILING DATE: June 26, 1992

ATTORNEY/AGENT INFORMATION:  
 NAME: Minnich, Richard J.  
 REGISTRATION NUMBER: 24,175  
 REFERENCE/DOCKET NUMBER: CWR 2 149-3-1

TELECOMMUNICATION:  
 TELEPHONE: (216) 861-5582  
 TELEFAX: (216) 241-1666  
 TELLEX: (216) 980162

SEQUENCE CHARACTERISTICS:  
 LENGTH: 3774  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: nucleic acids  
 HYPOTHETICAL: irrelevant  
 ANTI-SENSE: no  
 ORIGINAL SOURCE: Homo Sapiens  
 ORGANISM: Homo Sapiens

TELEX: (216) 980162  
 INFORMATION FOR SEQ ID NO: 2:  
 LENGTH: 3774  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: nucleic acids  
 HYPOTHETICAL: irrelevant  
 ANTI-SENSE: no  
 ORIGINAL SOURCE:  
 ORGANISM: Homo Sapiens  
 INDIVIDUAL ISOLATE: 17-18 week fetus  
 IMMEDIATE SOURCE:  
 LIBRARY: Stratagene cDNA Library 936206  
 CLONE: Synthesis of 4 clones  
 PUBLICATION INFORMATION:  
 AUTHORS: Hlavir, Mary Louise  
 Lemmon, Vance  
 TITLE: Molecular structure and functional testing of  
 human LIGCAM: an interspecies comparison.  
 JOURNAL: GENOMICS  
 VOLUME: 11  
 ISSUE: 416-423  
 PAGES: 416-423  
 DATE: 1991  
 RELEVANT RESIDUES IN SEQ ID NO: 1 to 3774  
 US-08-427-497B-2

Alignment Scores:  
 Pred. No.: 1.62e+03  
 Score: 48.00  
 Percent Similarity: 83.3%  
 Best Local Similarity: 66.7%  
 Query Match: 55.2%  
 DB: 2 3127 ACTGGCCTCTGGGACCCAGGAGGACACTGT 3092

SWOP-018-SEQ1 (1-15) x US-08-427-497E-2 (1-3774)

RESULT 28  
 US-08-506-296B-13/c  
 Sequence 13, Application US/08506296B  
 Patent No. 6313265  
 GENERAL INFORMATION:  
 APPLICANT: Phillips, Greg  
 APPLICANT: Cunningham, Bruce A.  
 APPLICANT: Crosbin, Kathryn L.  
 TITLE OF INVENTION: NEURITE OUTGROWTH-PROMOTING POLYPEPTIDES  
 TITLE OF INVENTION: CONTAINING FIBRONECTIN TYPE III REPEATS AND METHODS OF USE  
 NUMBER OF SEQUENCES: 77  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: The Scripps Research Institute  
 STREET: 10550 No. 6313265th Torrey Pines Road, TPC-8  
 CITY: La Jolla  
 STATE: California  
 COUNTRY: U.S.  
 ZIP: 92037  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/506,296B  
 FILING DATE: 24-JUL-1995  
 CLASSIFICATION: 514  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Pittino, Thomas  
 REGISTRATION NUMBER: 34,163

REFERENCE/DOCKET NUMBER: TSRI 488.0  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (619) 554-2937  
 TELEFAX: (619) 554-6312  
 INFORMATION FOR SEQ ID NO: 13:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 3888 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA  
 HYPOTHETICAL: NO  
 ANTI-SENSE: NO  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 12..3773  
 US-08-506-296B-13

Alignment Scores:  
 Pred. No.: 1.68e+03  
 Score: 48.00  
 Percent Similarity: 83.3%  
 Best Local Similarity: 66.7%  
 Query Match: 55.2%  
 DB: 3 3138 ACTGGCCTCTGGGACCCAGGAGGACACTGT 3103

RESULT 29  
 US-09-515-534A-1  
 Sequence 1, Application US/09515534A  
 Patent No. 6699692  
 GENERAL INFORMATION:  
 APPLICANT: Biomim, Inc.  
 APPLICANT: Asolfi, Spartaco F.  
 APPLICANT: de Lima, Beariz D.  
 APPLICANT: Thiemann, Josef B.  
 APPLICANT: Tunes de Sousa, Heloisa R.  
 APPLICANT: Vilela, Luciano  
 TITLE OF INVENTION: VECTOR FOR EXPRESSION OF HETEROLOGOUS PROTEIN AND METHODS FOR EXTRACTING RECOMBINANT PROTEIN AND FOR PURIFYING ISOLATED RECOMBINANT INSU  
 FILE REFERENCE: 790612-2007  
 CURRENT APPLICATION NUMBER: US/09/515,534A  
 CURRENT FILING DATE: 2000-02-29  
 NUMBER OF SEQ ID NOS: 9  
 SOFTWARE: PatentIn version 3.0  
 SEQ ID NO: 1  
 LENGTH: 4781  
 TYPE: DNA  
 ORGANISM: Homo Sapiens  
 US-09-515-534A-1

Alignment Scores:  
 Pred. No.: 2.1e+03  
 Score: 48.00  
 Percent Similarity: 90.0%  
 Best Local Similarity: 80.0%  
 Query Match: 55.2%  
 DB: 3 SWOP-018-SEQ1 (1-15) x US-09-515-534A-1 (1-4781)

RESULT 30  
 US-09-902-540-713  
 Sequence 713, Application US/09902540

```

; Patent No. 68333447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10-15849/B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 713
; LENGTH: 6119
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; US-09-902-540-713

Alignment Scores:
Pred. No.: 2.74e+03 Length: 6119
Score: 48.00 Matches: 9
Percent Similarity: 100.0% Conservative: 0
Best Local Similarity: 100.0% Mismatches: 0
Query Match: 55.2% Indexes: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-713 (1-6119)

Qy 2 SerGlyProProSerGlyAlaArgArg 10
Db 5022 TCGGGTCCTCCCTCTGGCGCGTCGC 5048

RESULT 31
US-09-902-540-827/C
; Sequence 827, Application US/09902540
; Patent No. 68333447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10-15849/B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 827
; LENGTH: 7280
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(7280)
; OTHER INFORMATION: unsure at all n locations
; US-09-902-540-827

Alignment Scores:
Pred. No.: 3.31e+03 Length: 7280
Score: 48.00 Matches: 10
Percent Similarity: 71.4% Conservative: 0
Best Local Similarity: 55.2% Mismatches: 4
Query Match: 3 Indexes: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-09-902-540-827 (1-7280)

Qy 2 SerGlyProProSerGlyAlaArgArgAsnCys 15
Db 2808 TCCGGTCTACCCCTCGGGCGGATGAGAACTGGTGAG 2767

RESULT 32
US-08-886-967-1
; Sequence 1, Application US/08886967
; Patent No. 6068933
; GENERAL INFORMATION:
; APPLICANT: ASTOLFI, SPARTACO
; APPLICANT: DE LIMA, BEATRIZ D.
; APPLICANT: THIEMANN, JOSEF E.
; APPLICANT: TUNES DE SOUSA, HELOISA R.
; APPLICANT: VILELA, LUCIANO
; TITLE OF INVENTION: VECTOR FOR EXPRESSION OF HETEROLOGOUS PROTEIN AND METHODS FOR EXTRACTING RECOMBINANT INSULIN AND FOR PURIFYING ISOLATED RECOMBINANT INSULIN
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESS: FROMMER LAWRENCE & HAUG LLP
; STREET: 745 FIFTH AVENUE
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: USA
; ZIP: 10151
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/886,967
; FILING DATE: 02-JUL-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: HAUG, EDGAR H.
; REGISTRATION NUMBER: 29,309
; REFERENCE/DOCKET NUMBER: 540519-2003
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-588-0800
; TELEFAX: 212-588-0500
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9562 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-886-967-1

Alignment Scores:
Pred. No.: 4.45e+03 Length: 9562
Score: 48.00 Matches: 8
Percent Similarity: 90.0% Conservative: 1
Best Local Similarity: 80.0% Mismatches: 1
Query Match: 3 Indexes: 0
DB: 3 Gaps: 0

SWOP-018-SEQ1 (1-15) x US-08-886-967-1 (1-9562)

Qy 4 ProProSerGlyAlaArgArgArgAsnCys 13
Db 4210 CGCGCATCAGGGGGGAGACGGTCATGC 4239

RESULT 33
US-09-106-949-1
; Sequence 1, Application US/09306949
; Patent No. 6281329
; GENERAL INFORMATION:
; APPLICANT: ASTOLFI, SPARTACO
; APPLICANT: DE LIMA, BEATRIZ D.
; APPLICANT: THIEMANN, JOSEF E.
; APPLICANT: TUNES DE SOUSA, HELOISA R.
; APPLICANT: VILELA, LUCIANO
; TITLE OF INVENTION: VECTOR FOR EXPRESSION OF HETEROLOGOUS PROTEIN AND METHODS FOR EXTRACTING RECOMBINANT INSULIN AND FOR PURIFYING ISOLATED RECOMBINANT INSULIN
; NUMBER OF INVENTION:

```

NUMBER OF SEQUENCES: 7  
 CORRESPONDENCE ADDRESS:  
 STREET: FROMMER LAWRENCE & HAUG LLP  
 CITY: NEW YORK  
 STATE: NEW YORK  
 COUNTRY: USA  
 ZIP: 10151

COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/306,949  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: HAUG, EDGAR H.  
 REGISTRATION NUMBER: 29,309  
 REFERENCE/DOCKET NUMBER: 540519-2003

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-588-0800  
 TELEFAX: 212-588-0500

CLASSIFICATION:  
 APPLICATION NUMBER: US 08/886,967  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: HAUG, EDGAR H.  
 REGISTRATION NUMBER: 29,309  
 REFERENCE/DOCKET NUMBER: 540519-2003

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-588-0800  
 TELEFAX: 212-588-0500

SEQUENCE CHARACTERISTICS:  
 LENGTH: 9562 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)  
 SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
 US-09-307-217-1

Alignment Scores:  
 Pred. No.: 4.45e+03  
 Score: 48.00  
 Percent Similarity: 90.0%  
 Best Local Similarity: 80.0%  
 Query Match: 55.2%  
 DB: 3

SWOP-018-SEQ1 (1-15) x US-09-307-217-1 (1-9562)  
 Qy 4 ProProSerGlyAlaArgArgArgArgAsnCys 13  
 Db 4210 CGGCATCAGGGGGAGACGCGTCATGC 4239

RESULT 35  
 US-09-938-956-5  
 Sequence 5, Application US/09938956  
 ; GENERAL INFORMATION:  
 ; Patent No. 681824  
 ; APPLICANT: Wang, Siquin  
 ; APPLICANT: Diccosimo, Deana J.  
 ; APPLICANT: Koffas, Mathheos  
 ; APPLICANT: Odem, J. Martin  
 ; TITLE OF INVENTION: Production of Monoterpane  
 ; FILE REFERENCE: CL1809 US NA  
 ; CURRENT APPLICATION NUMBER: US/09/938,956  
 ; CURRENT FILING DATE: 2001-08-24  
 ; PRIOR APPLICATION NUMBER: 60/229,907  
 ; PRIOR FILING DATE: 2000-09-0  
 ; PRIOR APPLICATION NUMBER: 60/229,858  
 ; NUMBER OF SEQ ID NOS: 7  
 ; SOFTWARE: Microsoft Office 97  
 ; SEQ ID NO 5  
 ; LENGTH: 11575  
 ; TYPE: DNA  
 ; ORGANISM: Plasmid  
 ; US-09-938-956-5

Alignment Scores:  
 Pred. No.: 5.48e+03  
 Score: 48.00  
 Percent Similarity: 90.0%  
 Best Local Similarity: 80.0%  
 Query Match: 55.2%  
 DB: 3

RESULT 34  
 US-09-307-217-1  
 ; Sequence 1, Application US/09307217  
 ; Patent No. 6509452  
 ; GENERAL INFORMATION:  
 ; APPLICANT: ASTOLFI, SPARTACO  
 ; DE LIMA, BEATRIZ D.  
 ; THIENANN, JOSEF E.  
 ; TUNES DE SOUSA, HELOISA R.  
 ; VILLELA, LUCIANO  
 ; TITLE OF INVENTION: VECTOR FOR EXPRESSION OF HETEROLOGOUS PROTEIN AND FOR PURIFYING ISOLATED RECOMBINANT INSULIN  
 ; NUMBER OF SEQUENCES: 7  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: FROMMER, LAWRENCE & HAUG LLP  
 ; STREET: 745 FIFTH AVENUE  
 ; CITY: NEW YORK  
 ; STATE: NEW YORK  
 ; COUNTRY: USA  
 ; ZIP: 10151  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: FLOPPY disk

```

SWOP-018-SEQ1 (1-15) x US-09-938-956-5 (1-11575)
Qy    4 ProProSrglyAlaArgArgAbcYs 13
Db    9936 CGGCCATAGGGCCAGACGGTCATGC 9965

RESULT 36
US-09-410-551B-1/c
Sequence 1, Application US/09410551B
Patent No. 6503737
GENERAL INFORMATION:
APPLICANT: KOSAN BIOSCIENCES, Inc.
APPLICANT: REEVES, CHRISTOPHER
APPLICANT: CHU, DANIEL
APPLICANT: KHOSLA, CHAITAN
APPLICANT: SANTI, DANIEL
APPLICANT: WU, KAI
TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES AND RECOMBINANT DNA
TITLE OF INVENTION: CONSTRUCTS THEREFOR
FILE REFERENCE: 30062-20026.00
CURRENT FILING DATE: 1999-10-01
PRIOR APPLICATION NUMBER: US/09/410.551B
PRIOR FILING DATE: 1999-06-17
PRIOR APPLICATION NUMBER: US 60/139,650
PRIOR FILING DATE: 1999-06-17
PRIOR APPLICATION NUMBER: US 60/123,810
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: US 60/102,748
PRIOR FILING DATE: 1998-10-02
NUMBER OF SEQ ID NOS: 72
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 77536
TYPE: DNA
ORGANISM: Streptomyces hygroscopicus
FEATURE:
NAME/KEY: CDS
LOCATION: (52275) . . . (71465)
US-09-410-551B-1

Alignment Scores:
Pred. No.: 4.27e+04
Score: 48.00
Percent Similarity: 75.0%
Best Local Similarity: 66.7%
Query Match: 55.2%
DB: 3

SWOP-018-SEQ1 (1-15) x US-09-940-316B-1 (1-77536)
Qy    2 SerGlyProProSerGlyAlaArgArgAsnCys 13
Db    10954 ACCGGccCGGGAAGTGGACACGTCGGCAACTGC 10919

RESULT 38
US-09-198-452A-1/c
Sequence 1, Application US/09198452A
Patent No. 6559294
GENERAL INFORMATION:
APPLICANT: Griffisis, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prevention and treatment of infection
TITLE OF INVENTION: and treatment of infection
FILE REFERENCE: 9710-003-999
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
SEQ ID NO 1
LENGTH: 1230025
TYPE: DNA
ORGANISM: Chlamydia pneumoniae
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1) . . . (15000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (15001) . . . (30000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (30001) . . . (45000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (45001) . . . (60000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (60001) . . . (75000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (75001) . . . (90000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (90001) . . . (105000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (105001) . . . (120000)
OTHER INFORMATION: n=a or c or g or t
NAME/KEY: misc_feature
LOCATION: (120001) . . . (140000)
OTHER INFORMATION: n=a or c or g or t

RESULT 37
US-09-940-316B-1/c
Sequence 1, Application US/09940316B
Patent No. 6759536
GENERAL INFORMATION:
APPLICANT: KOSAN BIOSCIENCES, Inc.
APPLICANT: REEVES, CHRISTOPHER
APPLICANT: CHU, DANIEL
APPLICANT: KHOSLA, CHAITAN
APPLICANT: SANTI, DANIEL
APPLICANT: WU, KAI
TITLE OF INVENTION: POLYKETIDES ENCODING THE fkba GENE OF THE FK-520 POLYKETIDE SYNTH
FILE REFERENCE: 30062-20026.11
CURRENT APPLICATION NUMBER: US/09/940,316B
CURRENT FILING DATE: 2001-08-27
PRIOR APPLICATION NUMBER: 09/410,551
PRIOR FILING DATE: 1998-10-01
PRIOR APPLICATION NUMBER: US 60/139,650

```





GenCore version 5.1.7  
 Copyright (c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on: February 11, 2006, 08:30:23 ; Search time 179 Seconds

(without alignments)  
 35.014 Million cell updates/sec

Title: SWOP-018-SEQ1

Perfect score: 87

Sequence: 1 ysgppsgarrnrye 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1867569 seqs, 417829326 residues

Total number of hits satisfying chosen parameters: 1867569

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Application\_AA\_Main:  
 1: /cgn2\_6/protdata/1/pubpaas/US07\_PUBCOMB.pep:  
 2: /cgn2\_6/protdata/1/pubpaas/US08\_PUBCOMB.pep:  
 3: /cgn2\_6/protdata/1/pubpaas/US09\_PUBCOMB.pep:  
 4: /cgn2\_6/protdata/1/pubpaas/US10A\_PUBCOMB.pep:  
 5: /cgn2\_6/protdata/1/pubpaas/US10B\_PUBCOMB.pep:  
 6: /cgn2\_6/protdata/1/pubpaas/US11\_PUBCOMB.pep:  
 \* Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the total score distribution, and is derived by analysis of the total score distribution.

#### SUMMARIES

| Result No. | Score | Query Match | Length | DB ID                  | Description          |
|------------|-------|-------------|--------|------------------------|----------------------|
| 1          | 87    | 100.0       | 320    | 4 US-10-157-031-401    | Sequence 238113, App |
| 2          | 50    | 57.5        | 119    | 4 US-10-425-015-238113 | Sequence 238113, App |
| 3          | 50    | 57.5        | 129    | 4 US-10-425-015-297012 | Sequence 297012,     |
| 4          | 49    | 56.3        | 278    | 4 US-10-437-099-245359 | Sequence 245359,     |
| 5          | 48    | 55.2        | 1278   | 4 US-10-437-063-126355 | Sequence 126355,     |
| 6          | 47    | 54.0        | 112    | 4 US-10-425-015-288731 | Sequence 288731,     |
| 7          | 47    | 54.0        | 122    | 4 US-10-425-015-218088 | Sequence 218088,     |
| 8          | 47    | 54.0        | 271    | 4 US-10-363-616-371    | Sequence 371, App    |
| 9          | 47    | 54.0        | 291    | 3 US-09-25-3-00-968    | Sequence 968, App    |
| 10         | 47    | 54.0        | 316    | 4 US-10-437-963-178815 | Sequence 178815,     |
| 11         | 46    | 52.9        | 259    | 4 US-10-424-599-170072 | Sequence 170072,     |
| 12         | 45    | 51.7        | 318    | 4 US-10-425-015-234457 | Sequence 234457,     |
| 13         | 45    | 51.7        | 336    | 4 US-10-425-114-60305  | Sequence 60305, A    |
| 14         | 45    | 51.7        | 1167   | 4 US-10-282-122A-62618 | Sequence 62618, A    |
| 15         | 45    | 51.7        | 1184   | 4 US-10-382-122A-64572 | Sequence 64572, A    |
| 16         | 45    | 51.7        | 1184   | 5 US-10-425-114-48971  | Sequence 48971, A    |
| 17         | 44    | 50.6        | 97     | 4 US-10-425-114-48971  | Sequence 48971, A    |
| 18         | 44    | 50.6        | 103    | 4 US-10-424-599-20545  | Sequence 203545,     |
| 19         | 44    | 50.6        | 120    | 4 US-10-425-115-22321  | Sequence 22321,      |
| 20         | 44    | 50.6        | 289    | 4 US-10-425-114-40066  | Sequence 40066, A    |
| 21         | 43.5  | 50.0        | 73     | 4 US-10-424-599-235980 | Sequence 235980,     |
| 22         | 43    | 49.4        | 46     | 4 US-10-424-599-215744 | Sequence 215744,     |
| 23         | 43    | 49.4        | 94     | 5 US-10-123-800-2460   | Sequence 2460, Ap    |
| 24         | 43    | 49.4        | 94     | 5 US-10-756-119-5359   | Sequence 5359, Ap    |
| 25         | 43    | 49.4        | 128    | 4 US-10-424-599-177399 | Sequence 177399,     |
| 26         | 43    | 49.4        | 155    | 4 US-10-37-963-102816  | Sequence 102816,     |
| 27         | 43    | 49.4        | 184    | 4 US-10-027-806-32     | Sequence 32, Appl    |

#### DESCRIPTION

| Result | Match | Score | Length | DB ID                  | Description          |
|--------|-------|-------|--------|------------------------|----------------------|
| 1      | 87    | 100.0 | 320    | 4 US-10-157-031-401    | Sequence 238113, App |
| 2      | 50    | 57.5  | 119    | 4 US-10-425-015-238113 | Sequence 238113, App |
| 3      | 50    | 57.5  | 129    | 4 US-10-425-015-297012 | Sequence 297012,     |
| 4      | 49    | 56.3  | 278    | 4 US-10-437-099-245359 | Sequence 245359,     |
| 5      | 48    | 55.2  | 1278   | 4 US-10-437-063-126355 | Sequence 126355,     |
| 6      | 47    | 54.0  | 112    | 4 US-10-425-015-288731 | Sequence 288731,     |
| 7      | 47    | 54.0  | 122    | 4 US-10-425-015-218088 | Sequence 218088,     |
| 8      | 47    | 54.0  | 271    | 4 US-10-363-616-371    | Sequence 371, App    |
| 9      | 47    | 54.0  | 291    | 3 US-09-25-3-00-968    | Sequence 968, App    |
| 10     | 47    | 54.0  | 316    | 4 US-10-437-963-178815 | Sequence 178815,     |
| 11     | 46    | 52.9  | 259    | 4 US-10-424-599-170072 | Sequence 170072,     |
| 12     | 45    | 51.7  | 318    | 4 US-10-425-015-234457 | Sequence 234457,     |
| 13     | 45    | 51.7  | 336    | 4 US-10-425-114-60305  | Sequence 60305, A    |
| 14     | 45    | 51.7  | 1167   | 4 US-10-282-122A-62618 | Sequence 62618, A    |
| 15     | 45    | 51.7  | 1184   | 4 US-10-382-122A-64572 | Sequence 64572, A    |
| 16     | 45    | 51.7  | 1184   | 5 US-10-425-114-48971  | Sequence 48971, A    |
| 17     | 44    | 50.6  | 97     | 4 US-10-424-599-20545  | Sequence 203545,     |
| 18     | 44    | 50.6  | 103    | 4 US-10-424-599-20545  | Sequence 203545,     |
| 19     | 44    | 50.6  | 120    | 4 US-10-425-115-22321  | Sequence 22321,      |
| 20     | 44    | 50.6  | 289    | 4 US-10-425-114-40066  | Sequence 40066, A    |
| 21     | 43.5  | 50.0  | 73     | 4 US-10-424-599-235980 | Sequence 235980,     |
| 22     | 43    | 49.4  | 46     | 4 US-10-424-599-215744 | Sequence 215744,     |
| 23     | 43    | 49.4  | 94     | 5 US-10-123-800-2460   | Sequence 2460, Ap    |
| 24     | 43    | 49.4  | 94     | 5 US-10-756-119-5359   | Sequence 5359, Ap    |
| 25     | 43    | 49.4  | 128    | 4 US-10-424-599-177399 | Sequence 177399,     |
| 26     | 43    | 49.4  | 155    | 4 US-10-37-963-102816  | Sequence 102816,     |
| 27     | 43    | 49.4  | 184    | 4 US-10-027-806-32     | Sequence 32, Appl    |

#### ALIGNMENTS

| Query | Match                  | Score  | Length | DB ID             | Description |
|-------|------------------------|--------|--------|-------------------|-------------|
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 1     |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 2     |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 3     |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 4     |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 5     |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 6     |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 7     |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 8     |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 9     |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 10    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 11    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 12    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 13    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 14    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 15    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 16    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 17    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 18    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 19    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 20    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 21    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 22    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 23    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 24    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 25    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 26    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 27    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 28    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 29    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 30    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 31    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 32    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 33    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 34    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 35    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 36    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 37    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 38    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 39    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 40    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 41    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 42    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 43    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 44    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 45    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 46    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 47    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 48    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 49    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 50    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 51    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 52    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 53    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 54    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 55    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 56    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 57    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 58    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 59    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 60    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 61    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 62    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 63    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 64    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 65    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 66    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 67    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 68    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 69    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 320    | US-10-157-031-401 | Query 70    |
| Qy    | 1 YSGPPSGARRNRYE 15    | 100.0% | 320    | US-10-157-031-401 | Query 71    |
| Db    | 213 YSGPPSGARRNRYE 227 | 100.0% | 32     |                   |             |

FEATURE: OTHER INFORMATION: Clone ID: MRT4577\_148748C.1.pep  
 US-10-425-115-238113

Query Match 57.5%; Score 50; DB 4; Length 119;  
 Best Local Similarity 72.7%; Pred. No. 6.8;  
 Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Db 13 GPPGSRRTC 23

RESULT 3

US-10-425-115-297012

Sequence 297012, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 18-21(53221)B

CURRENT APPLICATION NUMBER: US/10/425,115

NUMBER OF SEQ ID NOS.: 369326

SEQ ID NO 297012

LENGTH: 129

TYPE: PRT

ORGANISM: Zea mays

FEATURE: OTHER INFORMATION: Clone ID: MRT4577\_33954C.1.pep  
 US-10-425-115-297012

Query Match 57.5%; Score 50; DB 4; Length 129;  
 Best Local Similarity 61.5%; Pred. No. 7.3;  
 Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 1 YSGPPGARRRNC 13

Db 51 YGGtPQGSRRRC 63

RESULT 4

US-10-424-5-99-245359

Sequence 245359, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 18-21(53221)B

CURRENT APPLICATION NUMBER: US/10/424,599

NUMBER OF SEQ ID NOS.: 2856594

SEQ ID NO 245359

LENGTH: 278

TYPE: PRT

ORGANISM: Glycine max

FEATURE: OTHER INFORMATION: Clone ID: MRT4577\_63590C.1.pep  
 US-10-424-5-99-245359

Query Match 56.3%; Score 49; DB 4; Length 278;

Best Local Similarity 66.7%; Pred. No. 22; Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 4 PPSGARRRNC 15

Db 170 PPSGARRTCEYE 181

RESULT 5

US-10-437-963-126355

Sequence 126355, Application US/10437963

Publication No. US20040123343A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

APPLICANT: Wu, Wei

APPLICANT: Boukharov, Andrey A.

APPLICANT: Barbazuk, Brad

APPLICANT: Li, Ping

TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/437,963

NUMBER OF SEQ ID NOS.: 204966

SEQ ID NO 126355

LENGTH: 1278

TYPE: PRT

ORGANISM: Oryza sativa

FEATURE: NAME/KEY: unsure

LOCATION: (1) (1278)

OTHER INFORMATION: Plants and Uses Thereof for Plant Improvement

Qy 4 PPSGARRRNC 13

Db 12 PPGARRRRC 21

RESULT 6

US-10-425-115-288731

Sequence 288731, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/425,115

NUMBER OF SEQ ID NOS.: 369326

SEQ ID NO 288731

LENGTH: 112

TYPE: PRT

ORGANISM: Zea mays

FEATURE: NAME/KEY: unsure

LOCATION: (1) (112)

OTHER INFORMATION: unsure at all Xaa locations

Qy 4 PPSGARRRNC 13

Db 12 PPGARRRRC 21

RESULT 7

US-10-424-5-99-245359

Sequence 245359, Application US/10424599

Publication No. US20040031072A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Kovalic, David K.

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

FILE REFERENCE: 38-21(53221)B

CURRENT APPLICATION NUMBER: US/10/424,599

NUMBER OF SEQ ID NOS.: 2856594

SEQ ID NO 245359

LENGTH: 278

TYPE: PRT

ORGANISM: Glycine max

FEATURE: OTHER INFORMATION: Clone ID: MRT4577\_26413C.1.pep  
 US-10-424-5-99-245359

Query Match 56.3%; Score 49; DB 4; Length 278;

US-10-425-115-288731  
 Query Match Score 47; DB 4; Length 112;  
 Best Local Similarity 61.5%; Pred. No. 19;  
 Matches 8; Conservative 2; Mismatches 3; Indels 0; Gaps 0;  
 SEQ ID 3 GPPSGARRRNCY 15  
 DB 43 GAPSGRRRLHCWE 55

RESULT 7  
 US-10-425-115-218088  
 Sequence 218088, Application US/10425115  
 Publication No. US20040214272A1  
 GENERAL INFORMATION:  
 APPLICANT: La Rosa, Thomas J.  
 APPLICANT: Kovalic, David K.  
 APPLICANT: Zhou, Yihua  
 APPLICANT: Cao, Yongwei  
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
 TITLE OF INVENTION: Plants  
 FILE REFERENCE: 38-21(5322)B  
 CURRENT APPLICATION NUMBER: US/10/425,115  
 CURRENT FILING DATE: 2003-04-28  
 NUMBER OF SEQ ID NOS: 363326  
 SEQ ID NO 218088  
 LENGTH: 122  
 TYPE: PRT  
 ORGANISM: Zea maya  
 FEATURE:  
 OTHER INFORMATION: Clone ID: MRT4577\_130492C.1.pep  
 US-10-425-115-218088

Query Match Score 47; DB 4; Length 122;  
 Best Local Similarity 63.6%; Pred. No. 20;  
 Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;  
 SEQ ID 3 GPPSGARRRNC 13  
 DB 110 GPPREKRKRONC 120

RESULT 8  
 US-10-363-616-371  
 Sequence 371, Application US/10363616  
 Publication No. US200404418A1  
 GENERAL INFORMATION:  
 APPLICANT: HYBEG, Inc.  
 TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES  
 FILE REFERENCE: 1227-113 (793)  
 CURRENT APPLICATION NUMBER: US/10/363,616  
 CURRENT FILING DATE: 2003-03-03  
 PRIOR APPLICATION NUMBER: 09/654,935  
 PRIOR FILING DATE: 2000-09-01  
 NUMBER OF SEQ ID NOS: 490  
 SEQ ID NO 371  
 LENGTH: 271  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-10-363-616-371

Query Match Score 47; DB 4; Length 271;  
 Best Local Similarity 72.7%; Pred. No. 44;  
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 SEQ ID 3 GPPSGARRRNC 13  
 DB 87 GPPPGYTRRRC 97

RESULT 9  
 US-09-925-300-966  
 Query Match Score 47; DB 4; Length 316;  
 Best Local Similarity 61.5%; Pred. No. 50;  
 Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;  
 SEQ ID 1 YSGPPSGARRRNC 13  
 DB 46 FSPPPGPRRRPC 58

RESULT 11  
 US-10-424-599-170072  
 Sequence 170072, Application US/10424599

Sequence 968, Application US/09925300  
 Patent No. US2002015168A1  
 GENERAL INFORMATION:  
 APPLICANT: Craig Rosen,  
 APPLICANT: Steve Ruben  
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
 FILE REFERENCE: PA01  
 CURRENT FILING DATE: 2001-08-10  
 PRIORITY APPLICATION NUMBER: PCT/US00/05988  
 PRIOR FILING DATE: 2000-03-08  
 PRIORITY APPLICATION NUMBER: 60/124,270  
 PRIOR FILING DATE: 1999-03-12  
 NUMBER OF SEQ ID NOS: 1890  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 968  
 LENGTH: 291  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-09-325-300-968

Query Match Score 47; DB 3; Length 291;  
 Best Local Similarity 72.7%; Pred. No. 47;  
 Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
 SEQ ID 3 GPPSGARRRNC 13  
 DB 107 GPPGVRRRPC 117

RESULT 10  
 US-10-437-963-172815  
 Sequence 172815, Application US/10437963  
 Publication No. US20040123343A1  
 GENERAL INFORMATION:  
 APPLICANT: La Rosa, Thomas J.  
 APPLICANT: Kovalic, David K.  
 APPLICANT: Zhou, Yihua  
 APPLICANT: Cao, Yongwei  
 APPLICANT: Wu, Wei  
 APPLICANT: Boukharov, Andrey A.  
 APPLICANT: Barbazuk, Brad  
 APPLICANT: Li, Ping  
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement  
 FILE REFERENCE: 38-21(5322)B  
 CURRENT APPLICATION NUMBER: US/10/437,963  
 CURRENT FILING DATE: 2003-05-14  
 NUMBER OF SEQ ID NOS: 204966  
 SEQ ID NO 172815  
 LENGTH: 316  
 TYPE: PRT  
 ORGANISM: Oryza sativa  
 FEATURE:  
 NAME/KEY: unsure  
 LOCATION: (1) .. (316)  
 OTHER INFORMATION: unsure at all xaa locations  
 SEQ ID NO 172815  
 LENGTH: 316  
 FEATURE:  
 OTHER INFORMATION: Clone ID: PAT\_MRT4530\_70914C.1.pep  
 US-10-437-963-172815

Query Match Score 47; DB 4; Length 316;  
 Best Local Similarity 61.5%; Pred. No. 50;  
 Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;  
 SEQ ID 1 YSGPPSGARRRNC 13  
 DB 46 FSPPPGPRRRPC 58

RESULT 11  
 US-10-424-599-170072  
 Sequence 170072, Application US/10424599

Publication No. US20040031072A1  
 GENERAL INFORMATION: Plants and Uses Thereof for Plant Improvement  
 i APPLICANT: La Rosa, Thomas J  
 i APPLICANT: Kovalic, David K  
 i APPLICANT: Zhou, Yihua  
 i APPLICANT: Cao, Yongwei  
 i TITLE OF INVENTION: Plants and Other Molecules Associated With  
 i FILE REFERENCE: 38-21(53223) B  
 i CURRENT FILING DATE: 2003-04-28  
 i NUMBER OF SEQ ID NOS: 285684  
 i SEQ ID NO: 170072  
 i LENGTH: 259  
 i TYPE: PRT  
 i ORGANISM: Glycine max  
 i FEATURE:  
 i OTHER INFORMATION: Clone ID: PAT\_MRT3847\_124590C.1.pep  
 i US-10-424-599-170072

Query Match 4 PSSGARRNY 14  
 Qy ||| :||| |  
 Db 78 PSSSGKRNRY 88

RESULT 12  
 US-10-425-115-234457  
 i Sequence 234457, Application US/10425115  
 i Publication No. US20040214272A1  
 i GENERAL INFORMATION:  
 i APPLICANT: La Rosa, Thomas J.  
 i APPLICANT: Kovalic, David K.  
 i APPLICANT: Zhou, Yihua  
 i APPLICANT: Cao, Yongwei  
 i TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
 i FILE REFERENCE: 38-21(53222) B  
 i CURRENT FILING DATE: 2003-04-28  
 i NUMBER OF SEQ ID NOS: 369326  
 i SEQ ID NO: 234457  
 i LENGTH: 318  
 i TYPE: PRT  
 i ORGANISM: Zea maya  
 i FEATURE:  
 i OTHER INFORMATION: Clone ID: MRT4577\_145410C.1.pep  
 i US-10-425-115-234457

Query Match 4 PSSGARRNY 14  
 Qy ||| :||| |  
 Db 70 PADAKRNRY 79

RESULT 13  
 US-10-425-114-60305  
 i Sequence 60305, Application US/10425114  
 i Publication No. US20040034888A1  
 i GENERAL INFORMATION:  
 i APPLICANT: Liu, Jingdong  
 i APPLICANT: Zhou, Yihua  
 i APPLICANT: Kovalic, David K.  
 i APPLICANT: Screen, Steven E  
 i APPLICANT: Tabaska, Jack E  
 i APPLICANT: Cao, Yongwei  
 i TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

Query Match 5 PSGARRNY 14  
 Qy ||| :||| |  
 Db 88 PADAKRNRY 97

RESULT 14  
 US-10-282-122A-62618  
 i Sequence 62618, Application US/10282122A  
 i Publication No. US2004029329A1  
 i GENERAL INFORMATION:  
 i APPLICANT: Wang, Liangsu  
 i APPLICANT: Zamudio, Carlos  
 i APPLICANT: Malone, Cherry  
 i APPLICANT: Hasebeck, Robert  
 i APPLICANT: Ohlsen, Kari  
 i APPLICANT: Zyskind, Judith  
 i APPLICANT: Wall, Daniel  
 i APPLICANT: Trawick, John  
 i APPLICANT: Carr, Grant  
 i APPLICANT: Yamamoto, Robert  
 i APPLICANT: Forbush, R.  
 i APPLICANT: Xu, H.  
 i TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
 i FILE REFERENCE: ELITRA.034A  
 i CURRENT APPLICATION NUMBER: US/10/282,122A  
 i CURRENT FILING DATE: 2003-02-20  
 i PRIOR APPLICATION NUMBER: 60/191,078  
 i PRIOR FILING DATE: 2000-03-21  
 i PRIOR APPLICATION NUMBER: 60/206,848  
 i PRIOR FILING DATE: 2000-05-23  
 i PRIOR APPLICATION NUMBER: 60/207,727  
 i PRIOR FILING DATE: 2000-05-16  
 i PRIOR APPLICATION NUMBER: 60/220,335  
 i PRIOR FILING DATE: 2000-09-06  
 i PRIOR APPLICATION NUMBER: 60/230,347  
 i PRIOR FILING DATE: 2000-09-09  
 i PRIOR APPLICATION NUMBER: 60/242,578  
 i PRIOR FILING DATE: 2000-10-23  
 i PRIOR APPLICATION NUMBER: 60/253,625  
 i PRIOR FILING DATE: 2000-11-27  
 i PRIOR APPLICATION NUMBER: 60/257,931  
 i PRIOR FILING DATE: 2000-12-22  
 i PRIOR APPLICATION NUMBER: 60/267,636  
 i PRIOR FILING DATE: 2001-02-09  
 i PRIOR APPLICATION NUMBER: 60/269,308  
 i PRIOR FILING DATE: 2001-02-16  
 i Remaining Prior Application data removed - See File Wrapper or PALM.  
 i NUMBER OF SEQ ID NOS: 78614  
 i SOFTWARE: PatentIn version 3.1  
 i SEQ ID NO: 6618  
 i LENGTH: 1167  
 i TYPE: PRT  
 i ORGANISM: Mycobacterium bovis  
 i US-10-282-122A-62618

Query Match 51.7% Score 45; DB 4; Gaps 0;

Best Local Similarity 57.1%; Pred. No. 3.6e+02; Matches 8; Conservative 1; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15  
Dy 334 AGPPDGYERAYE 347

RESULT 15  
US-10-282-122A-64572  
Sequence 64572, Application US/10282122A  
Publication No. US20040029129A1  
GENERAL INFORMATION:  
APPLICANT: Wang, Liangsu  
APPLICANT: Zamudio, Carlos  
APPLICANT: Malone, Cherry  
APPLICANT: Haselbeck, Robert  
APPLICANT: Ohlsen, Kari  
APPLICANT: Zyskind, Judith  
APPLICANT: Wall, Daniel  
APPLICANT: Travick, John  
APPLICANT: Carr, Grant  
APPLICANT: Yamamoto, Robert  
APPLICANT: Forsyth, R.  
APPLICANT: Xu, H.

TITLE OF INVENTION: Identification of Essential Genes in Microorganisms  
FILE REFERENCE: BLITRA.034A  
CURRENT APPLICATION NUMBER: US/10/282,122A  
CURRENT FILING DATE: 2003-02-20  
PRIOR APPLICATION NUMBER: 60/191,078  
PRIOR FILING DATE: 2000-03-21  
PRIOR APPLICATION NUMBER: 60/206,848  
PRIOR FILING DATE: 2000-05-23  
PRIOR APPLICATION NUMBER: 60/207,727  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 60/230,335  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/230,347  
PRIOR FILING DATE: 2000-09-09  
PRIOR APPLICATION NUMBER: 60/242,578  
PRIOR FILING DATE: 2000-10-23  
PRIOR APPLICATION NUMBER: 60/253,625  
PRIOR FILING DATE: 2000-11-27  
PRIOR APPLICATION NUMBER: 60/257,931  
PRIOR FILING DATE: 2000-12-22  
PRIOR APPLICATION NUMBER: 60/267,636  
PRIOR FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/269,308  
PRIOR FILING DATE: 2001-02-16  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 78614  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 64572  
TYPE: PRT  
ORGANISM: Mycobacterium tuberculosis

Query Match 51.7%; Score 45; DB 4; Length 1184;  
Best Local Similarity 57.1%; Pred. No. 3.7e+02; Matches 1; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15  
Dy 335 AGPPDGYERAYE 348

RESULT 16  
US-10-476-597-140  
Sequence 140, Application US/10476597  
Publication No. US20040235766A1  
GENERAL INFORMATION:  
APPLICANT: Bullard, James

APPLICANT: Janjic, Nebojsa  
APPLICANT: McHenry, Charles S.  
TITLE OF INVENTION: System for Discovery of Agents that Block *Verticinia Pestis* and *Pseudomonas aeruginosa* DNA Replication  
FILE REFERENCE: RDW-02/PCT-US  
CURRENT APPLICATION NUMBER: US/10/476,597  
PRIOR APPLICATION NUMBER: US 60/290,725  
PRIOR FILING DATE: 2001-05-14  
PRIOR APPLICATION NUMBER: PCT/US02/15111  
PRIOR FILING DATE: 2002-05-14  
PRIOR APPLICATION NUMBER: US 60/332,644  
PRIOR FILING DATE: 2001-11-05  
NUMBER OF SEQ ID NOS: 159  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 140  
LENGTH: 1184  
TYPE: PRT  
ORGANISM: Mycobacterium tuberculosis  
US-10-476-597-140

Query Match 51.7%; Score 45; DB 5; Length 1184;  
Best Local Similarity 57.1%; Pred. No. 3.7e+02; Matches 5; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15  
Db 335 AGPPDGYERAYE 348

RESULT 17  
US-10-425-114-48971  
Sequence 48971, Application US/10425114  
Publication No. US2004034888A1  
GENERAL INFORMATION:  
APPLICANT: Liu, Jingdong  
APPLICANT: Zhou, Yihua  
APPLICANT: Kovacic, David K.  
APPLICANT: Screen, Steven E.  
APPLICANT: Tabaska, Jack E.  
APPLICANT: Cao, Yongwei  
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants and Uses Thereof for Plant Improvement  
FILE REFERENCE: 38-21(5313)B  
CURRENT APPLICATION NUMBER: US/10/425,114  
CURRENT FILING DATE: 2003-04-28  
NUMBER OF SEQ ID NOS: 73128  
SEQ ID NO: 48971  
LENGTH: 97  
TYPE: PRT  
ORGANISM: Zea mays  
FEATURE:  
OTHER INFORMATION: Clone ID: 700429912\_FLI.pep  
US-10-425-114-48971

Query Match 50.6%; Score 44; DB 4; Length 97;  
Best Local Similarity 63.6%; Pred. No. 47; Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GPPSGARRNC 13  
Db 1 GPPASRRTC 11

RESULT 18  
US-10-424-599-203545  
Sequence 203545, Application US/10424599  
Publication No. US2004031072A1  
GENERAL INFORMATION:  
APPLICANT: La Rosa Thomas J  
APPLICANT: Kovacic David K  
APPLICANT: Zhou Yihua  
APPLICANT: Cao Yongwei

```

; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 203545
; LENGTH: 103
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_25827C.1.pep
; US-10-424-599-203545

Query Match          50.6%; Score 44; DB 4; Length 103;
Best Local Similarity 58.3%; Pred. No. 50; Indels 0; Gaps 0;
Matches 7; Conservative 1; Mismatches 4; Insertions 0; Gaps 0;

RESULT 19
US-10-425-115-2221321
; Sequence 221321, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53222) B
; CURRENT APPLICATION NUMBER: US/10/425,115
; NUMBER OF SEQ ID NOS: 365326
; SEQ ID NO: 221321
; LENGTH: 120
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_133436C.1.pep
; US-10-425-115-2221321

Query Match          50.6%; Score 44; DB 4; Length 120;
Best Local Similarity 57.1%; Pred. No. 58; Indels 0; Gaps 0;
Matches 8; Conservative 1; Mismatches 5; Insertions 0; Gaps 0;

RESULT 20
US-10-425-114-40066
; Sequence 40066, Application US/10425114
; Publication No. US2004034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313) B
; CURRENT APPLICATION NUMBER: US/10/425,114
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO: 40066

Query Match          50.6%; Score 44; DB 4; Length 289;
Best Local Similarity 58.3%; Pred. No. 1.3e-02; Indels 0; Gaps 0;
Matches 7; Conservative 1; Mismatches 4; Insertions 0; Gaps 0;

RESULT 21
US-10-424-599-235980
; Sequence 235980, Application US/10424599
; Publication No. US2004031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 235980
; LENGTH: 73
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_55117C.1.pep
; US-10-424-599-235980

Query Match          50.0%; Score 43.5; DB 4; Length 73;
Best Local Similarity 66.7%; Pred. No. 43; Indels 1; Gaps 1;
Matches 10; Conservative 0; Mismatches 4; Insertions 4; Gaps 1;

RESULT 22
US-10-424-599-215744
; Sequence 215744, Application US/10424599
; Publication No. US2004031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223) B
; CURRENT APPLICATION NUMBER: US/10/424,599
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO: 215744
; LENGTH: 46
; TYPE: PRT
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_36846C.1.pep
; US-10-424-599-215744

Query Match          49.4%; Score 43; DB 4; Length 46;
Best Local Similarity 54.5%; Pred. No. 33; Indels 0; Gaps 0;

```

Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 4 PPSSARRNN 14  
Db 34 PTGSRKSCY 44

RESULT 23  
US-10-723-860-2460  
; Sequence 2460, Application US/10723860  
; Publication No. US20040253606A1  
; GENERAL INFORMATION:  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Zlontik, Albert  
; TITLE OF INVENTION: Methods of Diagnosis of Soft Tissue Sarcoma, Compositions & FILE REFERENCE: 05832.0193.NPUS01  
; CURRENT APPLICATION NUMBER: US/10/723,860  
; CURRENT FILING DATE: 2003-11-26  
; PRIOR APPLICATION NUMBER: 60/429,739  
; PRIOR FILING DATE: 2002-11-26  
; NUMBER OF SEQ ID NOS: 8393  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO: 2460  
; LENGTH: 94  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-723-860-2460

Query Match 49.4%; Score 43; DB 5; Length 94;  
Best Local Similarity 72.7%; Pred. No. 65;  
Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy 2 SGPPSGARRRN 12  
Db 53 SGPPSGAMERS 63

RESULT 26  
US-10-437-963-109816  
; Sequence 109816, Application US/10437963  
; Publication No. US2004123343A1  
; GENERAL INFORMATION:  
; APPLICANT: La Rosa, Thomas J.  
; APPLICANT: Kovalic, David K.  
; APPLICANT: Zhou, Yihua  
; APPLICANT: Cao, Yongwei  
; APPLICANT: Wu, Wei  
; APPLICANT: Borkharov, Andrey A.  
; APPLICANT: Barbatzuk, Brad  
; APPLICANT: Li, Ping  
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With FILE REFERENCE: 38-21(5321)B  
; CURRENT APPLICATION NUMBER: US/10/437,963  
; SEQ ID NO: 109816  
; NUMBER OF SEQ ID NOS: 204966  
; CURRENT FILING DATE: 2003-05-14  
; LENGTH: 155  
; TYPE: PRT  
; ORGANISM: Oryza sativa  
; FEATURE:  
; NAME/KEY: unsure  
; LOCATION: (1)..(155)  
; OTHER INFORMATION: unsure at all xaa locations  
; FEATURE:  
; OTHER INFORMATION: Clone ID: PAT\_MRT4530\_13939C.1.pep  
US-10-437-963-109816

Query Match 49.4%; Score 43; DB 4; Length 155;  
Best Local Similarity 58.3%; Pred. No. 1.1e+02;  
Matches 7; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 4 PPSSARRNCY 15  
Db 16 PPPXRRRHCHB 27

RESULT 27  
US-10-027-806-32  
; Sequence 32, Application US/10027806  
; Publication No. US20020160476A1  
; GENERAL INFORMATION:  
; APPLICANT: Swanson, Ronald V.

RESULT 25  
US-10-424-599-177399  
; Sequence 177399, Application US/10424599  
; Publication No. US2004031072A1  
; GENERAL INFORMATION:

```

; APPLICANT: Feldman, Robert A.
; APPLICANT: Schleper, Christa
; TITLE OF INVENTION: NUCLEAR ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM
; FILE REFERENCE: DCORP 002A
; CURRENT APPLICATION NUMBER: US/10/027,806
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/408,020
; PRIOR FILING DATE: 1999-09-29
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 32
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Cenarchaeum symbiosum
US-10-027-806-32

Query Match 49.4%; Score 43; DB 4; Length 184;
Best Local Similarity 53.3%; Pred. No. 1.2e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;
Qy 1 YSGPPSGARRNCYE 15
Db 54 YNGTPPGV--KNCYE 66

RESULT 28
US-10-034-623-32
; Sequence 32, Application US/10034623
; Publication No. US20020198365A1
; GENERAL INFORMATION:
; APPLICANT: Swanson, Ronald V.
; APPLICANT: Feldman, Robert A.
; APPLICANT: Schleper, Christa
; TITLE OF INVENTION: NUCLEAR ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM
; FILE REFERENCE: DCORP 002A
; CURRENT APPLICATION NUMBER: US/10/034,623
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: 09/408,020
; PRIOR FILING DATE: 1999-09-29
; PRIOR APPLICATION NUMBER: 60/102,294
; PRIOR FILING DATE: 1998-09-29
; NUMBER OF SEQ ID NOS: 123
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO: 32
; LENGTH: 184
; TYPE: PRT
; ORGANISM: Cenarchaeum symbiosum
US-10-034-623-32

Query Match 49.4%; Score 43; DB 4; Length 184;
Best Local Similarity 53.3%; Pred. No. 1.2e+02;
Matches 8; Conservative 2; Mismatches 3; Indels 2; Gaps 1;
Qy 1 YSGPPSGARRNCYE 15
Db 54 YNGTPPGV--KNCYE 66

RESULT 31
US-10-726-699-93
; Sequence 93, Application US/10726699
; Publication No. US2004053672A1
; GENERAL INFORMATION:
; APPLICANT: Robins et al.
; TITLE OF INVENTION: 20 Human Secreted Proteins
; FILE REFERENCE: PS737
; CURRENT APPLICATION NUMBER: US/10/726,699
; CURRENT FILING DATE: 2003-12-04
; PRIOR APPLICATION NUMBER: PCT/US02/17699
; PRIOR FILING DATE: 2002-06-05
; PRIOR APPLICATION NUMBER: US 60/295,869
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/304,121
; PRIOR FILING DATE: 2001-07-11
; NUMBER OF SEQ ID NOS: 118
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO: 93
; LENGTH: 243
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-726-699-93

Query Match 49.4%; Score 43; DB 5; Length 243;
Best Local Similarity 72.7%; Pred. No. 1.6e+02;
Qy 1 YSGPPSGARRNCYE 15
Db 54 YNGTPPGV--KNCYE 66

RESULT 29
US-10-027-801-32
; Sequence 32, Application US/10027801
; Publication No. US20030054364A1
; GENERAL INFORMATION:
; APPLICANT: Swanson, Ronald V.
; APPLICANT: Feldman, Robert A.
; APPLICANT: Schleper, Christa
; TITLE OF INVENTION: NUCLEAR ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM
; FILE REFERENCE: DCORP 002A
; CURRENT APPLICATION NUMBER: US/10/027,801
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/408,020
; PRIOR FILING DATE: 2001-12-21
; NUMBER OF SEQ ID NOS: 123

```

Matches 8; Conservative 1; Mismatches 2; Indels 0; Gaps 0; Result 33

US-09-988-462-19

Sequence 19, Application US/09988462

Publication No. US20030046726A1

GENERAL INFORMATION:

APPLICANT: Koriel, Michael G.

Deeai, Nalini M.

Lewis, Kelly S.

Kramer, Vance C.

Warren, Gregory W.

Evola, Stephen V.

Crossland, Lyle D.

Wright, Martha S.

Merlin, Bill J.

Launis, Karen L.

TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED INSECTICIDAL ACTIVITY IN MAIZE

NUMBER OF SEQUENCES: 94

CORRESPONDENCE ADDRESS:

ADDRESS: Syngenta Biotechnology, Inc.

STREET: 3054 Cornwallis Road

CITY: Research Triangle Park

STATE: NC

COUNTRY: USA

ZIP: 27709

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/988,462

FILING DATE: 20-NOV-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/20030046726A1-2001

FILING DATE: 11-APR-2000

APPLICATION NUMBER: US/09/547,422

FILING DATE: 02-JUN-1995

APPLICATION NUMBER: US/08/459,504

FILING DATE: 25-SEP-1992

APPLICATION NUMBER: US/07/772,027

FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:

NAME: Meigs, J. Timothy

REGISTRATION NUMBER: 38,241

REFERENCE/DOCKET NUMBER: S-18805I

TELECOMMUNICATION INFORMATION:

TELEPHONE: (919)541-8587

INFORMATION FOR SEQ ID NO: 19:

SEQUENCE CHARACTERISTICS:

LENGTH: 346 amino acids

TOPOLOGY: linear

MOLECULE TYPE: protein

SEQUENCE DESCRIPTION: SEQ ID NO: 19:

US-09-988-462-19

Query Match 49.4%; Score 43; DB 3; Length 346;

Best Local Similarity 42.9%; Pred. No. 2.3e+02;

Matches 3; Mismatches 5; Indels 0; Gaps 0; Gaps 0;

RESULT 34

US-10-425-114-36762

Sequence 36762, Application US/10425114

GENERAL INFORMATION:

APPLICANT: Liu, Jingdong

APPLICANT: Zhou, Yinhua

APPLICANT: Kovacic, David K.

APPLICANT: Screen, Steven E

APPLICANT: Tabaska, Jack E

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With Title of Invention: Plants and Uses Thereof For Plant Improvement

FILE REFERENCE: 38-21(53313)B

Query 2 GPPSGARRRNC 15

DB 63 AAPPOQARRRCHQ 76

```

; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO: 36762
; LENGTH: 433
; TYPE: PRT
; ORGANISM: Zea mays
; FEATURE: OTHER INFORMATION: Clone ID: MRT4577_14248C.1.pep
; US-10-425-114-36762

Query Match 49.4%; Score 43; DB 4; Length 433;
Best Local Similarity 66.7%; Pred. No. 2.8e+02; ; Indels 0; Gaps 0;
Matches 8; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
Qy 2 SGPPSGARRNC 13
Db 275 SGPPSGASYSKC 286

RESULT 35
US-10-450-763-34231
; Sequence 34231, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES
; FILE REFERENCE: 790C1P3/US
; CURRENT APPLICATION NUMBER: US/10/450,763
; CURRENT FILING DATE: 2003-06-11
; PRIOR APPLICATION NUMBER: PCT/US01/08631
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: 09/540,217
; PRIOR FILING DATE: 2000-03-31
; PRIOR APPLICATION NUMBER: 09/649,167
; PRIOR FILING DATE: 2000-08-23
; NUMBER OF SEQ ID NOS: 60736
; SOFTWARE: Custom
; SEQ ID NO: 34231
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE: misc_feature
; NAME/KEY: misc_feature
; LOCATION: (1)...(475)
; OTHER INFORMATION: xaa = X or * as defined in Table 2
US-10-450-763-34231

Query Match 49.4%; Score 43; DB 5; Length 475;
Best Local Similarity 61.5%; Pred. No. 3.1e+02; ; Indels 0; Gaps 0;
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
Qy 3 GPPSGARRNCY 15
Db 428 GPESGKRRSRVC 440

RESULT 36
US-10-425-115-231244
; Sequence 231244, Application US/10425115
; Publication No. US2004214272A1
; GENERAL INFORMATION:
; APPLICANT: La Ropa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yinhua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21/53222B
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO: 231244

Query Match 48.3%; Score 42; DB 4; Length 63;
Best Local Similarity 70.0%; Pred. No. 64; ; Indels 3; Gaps 0;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 YSGPPSGARR 10
Db 53 YRGPKGTRR 62

RESULT 37
US-09-864-761-46439
; Sequence 46439, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wenheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonax Sequence Listing Engine ver. 1.1
; SEQ ID NO: 46439
; LENGTH: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:

```

OTHER INFORMATION: MAP TO ACO11298.2  
 OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.3  
 OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 2  
 OTHER INFORMATION: EST HUMAN HIT: BF3315540.1, EVALU 5.00e-21  
 OTHER INFORMATION: SWISSPROT HIT: P30020, EVALU 5.40e+00  
 US-09-864-761-46439

Query Match 48.3%; Score 42; DB 3; Length 66;  
 Best Local Similarity 70.0%; Pred. No. 67;  
 Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;  
 Qy 4 PPGGARRNC 13  
 Db 16 PPGGSLSRHC 25

RESULT 38  
 US-10-437-963-189306  
 Sequence 189306, Application US/10437963  
 Publication No. US20040123343A1  
 GENERAL INFORMATION:  
 APPLICANT: La Rosa, Thomas J.  
 APPLICANT: Kovalic, David K.  
 APPLICANT: Zhou, Yinhua  
 APPLICANT: Cao, Yongwei  
 APPLICANT: Wu, Wei  
 APPLICANT: Boukharov, Andrey A.  
 APPLICANT: Barbazuk, Brad  
 APPLICANT: Li, Ping  
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With  
 Plants and Uses Thereof for Plant Improvement  
 FILE REFERENCE: 38-21(53221)B  
 CURRENT APPLICATION NUMBER: US/10/437,963  
 CURRENT FILING DATE: 2003-05-14  
 NUMBER OF SEQ ID NOS: 204966  
 SEQ ID NO 189306  
 LENGTH: 98  
 TYPE: PRT  
 FEATURE:  
 OTHER INFORMATION: Clone ID: PAT\_MRT4530\_85828C.1.pep  
 US-10-437-963-189306

Query Match 48.3%; Score 42; DB 4; Length 98;  
 Best Local Similarity 61.5%; Pred. No. 97;  
 Matches 8; Conservative 3; Mismatches 0; Indels 2; Gaps 1;  
 Qy 4 PPGGARR-RNRY 14  
 Db 59 PPGGARRLPRSCF 71

RESULT 39  
 US-10-425-115-255336  
 Sequence 255336, Application US/10425115  
 Publication No. US20040214272A1  
 GENERAL INFORMATION:  
 APPLICANT: La Rosa, Thomas J.  
 APPLICANT: Kovalic, David K.  
 APPLICANT: Zhou, Yinhua  
 APPLICANT: Cao, Yongwei  
 TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With  
 Plants  
 FILE REFERENCE: 38-21(53222)B  
 CURRENT APPLICATION NUMBER: US/10/425,115  
 CURRENT FILING DATE: 2003-04-28  
 NUMBER OF SEQ ID NOS: 369326  
 SEQ ID NO 255336  
 LENGTH: 99  
 TYPE: PRT  
 ORGANISM: Zea mays  
 FEATURE:  
 OTHER INFORMATION: Clone ID: MRT4577\_164444C.1.pep

Search completed: February 11, 2006, 08:33:54  
 Job time : 179 secs

**THIS PAGE BLANK (USPTO)**

**THIS PAGE BLANK (USPTO)**

| Result No. | Score | Query Match | Length | DB ID                | Description          |
|------------|-------|-------------|--------|----------------------|----------------------|
| 1          | 52.9  | 117         | 2      | US-09-489-039A-7862  | Sequence 7862, App1  |
| 2          | 50.6  | 464         | 2      | US-09-252-991A-26212 | Sequence 26212, A    |
| 3          | 49.4  | 184         | 2      | US-09-408-0-0-32     | Sequence 32, App1    |
| 4          | 49.4  | 258         | 2      | US-09-252-991A-1993  | Sequence 2493, A     |
| 5          | 49.4  | 346         | 1      | US-07-951-715A-19    | Sequence 19, App1    |
| 6          | 49.4  | 346         | 1      | US-08-459-448A-19    | Sequence 19, App1    |
| 7          | 43    | 43          | 346    | 2                    | US-08-459-395A-19    |
| 8          | 43    | 49.4        | 346    | 2                    | US-08-459-004B-19    |
| 9          | 43    | 49.4        | 346    | 2                    | US-08-459-444-19     |
| 10         | 43    | 49.4        | 346    | 2                    | US-09-547-422-19     |
| 11         | 43    | 49.4        | 346    | 2                    | US-09-98B-462-19     |
| 12         | 43    | 49.4        | 410    | 2                    | US-09-083-521-2      |
| 13         | 42    | 48.3        | 276    | 2                    | US-09-252-991A-18128 |
| 14         | 42    | 48.3        | 314    | 2                    | US-08-927-219-6      |
| 15         | 42    | 48.3        | 613    | 2                    | US-09-252-991A-22424 |
| 16         | 42    | 48.3        | 672    | 2                    | US-09-252-991A-18930 |
| 17         | 41    | 47.1        | 127    | 2                    | US-09-252-991A-26684 |
| 18         | 41    | 47.1        | 145    | 2                    | US-09-252-991A-21532 |
| 19         | 41    | 47.1        | 146    | 2                    | US-09-252-991A-18189 |
| 20         | 41    | 47.1        | 156    | 2                    | US-09-252-991A-21289 |
| 21         | 41    | 47.1        | 260    | 2                    | US-09-252-991A-25992 |
| 22         | 41    | 47.1        | 341    | 2                    | US-09-252-991A-27955 |
| 23         | 41    | 47.1        | 373    | 2                    | US-09-252-991A-29008 |
| 24         | 41    | 47.1        | 690    | 2                    | US-09-252-991A-16715 |
| 25         | 40.5  | 46.6        | 598    | 2                    | US-09-854-945-41     |
| 26         | 40.5  | 46.6        | 603    | 2                    | US-09-854-845-39     |
| 27         | 40.5  | 46.6        | 697    | 2                    | US-09-854-845-25     |

Query Match 50.6%; Score 44; DB 2; Length 464;  
 Best Local Similarity 100.0%; Pred. No. 60; Gaps 0;  
 Matches 8; Conservative 0; Mismatches 0; Indels 0;  
 Gaps 0;

Qy 3 GPPSGARR 10  
 Db 101 GPPSGARR 108

RESULT 3  
 US-09-408-020-32  
 Sequence 32, Application US/09408020  
 GENERAL INFORMATION:  
 Patent No. 6632937  
 APPLICANT: Swanson, Ronald V.  
 APPLICANT: Feldman, Robert A.  
 APPLICANT: Schleifer, Christa A.  
 TITLE OF INVENTION: NUCLEAR ACIDS AND PROTEINS FROM CENARACHAEUM Symbiosum  
 FILE REFERENCE: DCORP 002A  
 CURRENT APPLICATION NUMBER: US/09/408,020  
 CURRENT FILING DATE: 1999-09-29  
 PRIOR APPLICATION NUMBER: 60/102,294  
 PRIOR FILING DATE: 1998-09-29  
 NUMBER OF SEQ ID NOS: 123  
 SOFTWARE: FASTSEQ for Windows Version 3.0  
 SEQ ID NO 32  
 LENGTH: 184  
 TYPE: PRT  
 ORGANISM: Cenarchaeum symbiosum  
 US-09-408-020-32

Query Match 49.4%; Score 43; DB 2; Length 184;  
 Best Local Similarity 53.3%; Pred. No. 35; Gaps 1;  
 Matches 8; Conservative 2; Mismatches 3; Indels 2;  
 Gaps 1;

Qy 1 YSGPPSGARRNCYE 15  
 Db 54 YNGTPPGV--KNCYE 66

RESULT 4  
 US-09-252-991A-24793  
 Sequence 24793, Application US/09252991A  
 GENERAL INFORMATION:  
 Patent No. 6551795  
 APPLICANT: Marc J. Rubenfield et al.  
 TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 FILE REFERENCE: 107196.136  
 CURRENT APPLICATION NUMBER: US/09/252,991A  
 CURRENT FILING DATE: 1999-02-18  
 PRIOR APPLICATION NUMBER: US 60/074,788  
 PRIOR FILING DATE: 1998-02-18  
 PRIOR APPLICATION NUMBER: US 60/094,190  
 PRIOR FILING DATE: 1998-07-27  
 NUMBER OF SEQ ID NOS: 33142  
 SEQ ID NO 24793  
 LENGTH: 258  
 TYPE: PRT  
 ORGANISM: Pseudomonas aeruginosa  
 US-09-252-991A-24793

Query Match 49.4%; Score 43; DB 2; Length 258;  
 Best Local Similarity 72.7%; Pred. No. 48; Gaps 0;  
 Matches 8; Conservative 0; Mismatches 3; Indels 0;  
 Gaps 0;

Qy 3 GPPSGARRNC 13  
 Db 139 GLPSGRRRRRC 149

RESULT 5  
 US-08-459-448A-19  
 Sequence 19, Application US/08459448A  
 Patent No. 5859336  
 GENERAL INFORMATION:  
 APPLICANT: Koziel, Michael G.  
 APPLICANT: Desai, Nalini M.  
 APPLICANT: Lewis, Kelly S.  
 APPLICANT: Kramer, Vance C.  
 APPLICANT: Warren, Gregory W.  
 APPLICANT: Evola, Stephen V.  
 APPLICANT: Crossland, Lydie D.  
 APPLICANT: Wright, Martha S.  
 APPLICANT: Merlin, Ellis J.  
 APPLICANT: Launis, Karen L.  
 APPLICANT: Rothstein, Steven J.  
 APPLICANT: Bowman, Cindy G.  
 APPLICANT: Dawson, John L.  
 APPLICANT: Dundee, Erik M.  
 APPLICANT: Pace, Gary M.  
 APPLICANT: Suttle, Janet L.  
 TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED  
 INSECTICIDAL ACTIVITY IN MAIZE  
 NUMBER OF SEQUENCES: 94  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: CIBA-GEIGY Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10532  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.3.0B  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/07/951,715A  
 FILING DATE: 25-SEP-1992  
 CLASSIFICATION: 800  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/772,027  
 FILING DATE: 04-OCT-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Spruill, W. Murray  
 REGISTRATION NUMBER: 32,943  
 REFERENCE/DOCKET NUMBER: S-188805/A/CGC 1577/CLP  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (919)541-8615  
 TELEFAX: (919)541-8689  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 346 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-07-951-715A-19

Query Match 49.4%; Score 43; DB 1; Length 346;  
 Best Local Similarity 42.9%; Pred. No. 64; Gaps 0;  
 Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCYE 15  
 Db 63 APPQAGRRRRCQ 76

RESULT 6  
 US-08-459-448A-19  
 Sequence 19, Application US/08459448A  
 Patent No. 5859336  
 GENERAL INFORMATION:  
 APPLICANT: Koziel, Michael G.  
 APPLICANT: Desai, Nalini M.

APPLICANT: Warren, Gregory W.  
 APPLICANT: Evola, Stephen V.  
 APPLICANT: Crossland, Lyle D.  
 APPLICANT: Wright, Martha S.  
 APPLICANT: Merlin, Ellis J.  
 APPLICANT: Launis, Karen L.  
 APPLICANT: Rothstein, Steven J.  
 APPLICANT: Dawson, Cindy G.  
 APPLICANT: John L.  
 APPLICANT: Dunder, Erik M.  
 APPLICANT: Pace, Gary M.  
 APPLICANT: Suttie, Janet L.  
 APPLICANT: TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED INSECTICIDAL ACTIVITY IN MAIZE  
 NUMBER OF SEQUENCES: 94  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: No. 60181040artis Corporation  
 STREET: Patent & Trademark Dept., 520 White Plains  
 STREET: Rd., POB 2005  
 CITY: Tarrytown  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10591-9005  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/459,595A  
 FILING DATE: 02-JUN-1995  
 CLASSIFICATION: 800  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/951,715  
 FILING DATE: 25-SEP-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/772,027  
 FILING DATE: 04-OCT-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Pace, Gary M.  
 REGISTRATION NUMBER: 40403  
 REFERENCE/DOCKET NUMBER: CGC 1577/CIP/DIV3  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (919) 541-8582  
 TELEFAX: (919) 541-8689  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 346 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-459-595A-19

Query Match 8  
 Best Local Similarity 49.4%; Score 43; DB 2; Length 346;  
 Matches 6; Conservative 3; Mismatches 5; Indels 8

Sequence 19, Application US/08459504B  
 Patent No. 6075195

GENERAL INFORMATION:  
 APPLICANT: Koziel, Michael G.  
 APPLICANT: Desai, Naini M.  
 APPLICANT: Lewis, Kelly S.  
 APPLICANT: Kramer, Vance C.  
 APPLICANT: Warren, Stephen V.  
 APPLICANT: Evola, Cindy G.

APPLICANT: Crossland, Lyle D.  
 APPLICANT: Wright, Martha S.  
 APPLICANT: Merlin, Ellis J.  
 APPLICANT: Launis, Karen L.  
 APPLICANT: Rothstein, Steven J.  
 APPLICANT: Bowman, Cindy G.  
 APPLICANT: Dawson, John L.  
 APPLICANT: Dunder, Erik M.  
 APPLICANT: Pace, Gary M.  
 APPLICANT: Suttie, Janet L.  
 TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED INSECTICIDAL ACTIVITY IN MAIZE  
 NUMBER OF SEQUENCES: 94  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: No. 6075185artis Corporation  
 STREET: 3054 Cornwallis Road  
 CITY: Research Triangle Park  
 STATE: NC  
 COUNTRY: USA  
 ZIP: 27709  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent In Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/459,504B  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/459,595  
 FILING DATE: 02-JUN-1995  
 APPLICATION NUMBER: US 07/1951,715  
 FILING DATE: 25-SEP-1992  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 07/772,027  
 FILING DATE: 04-OCT-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meigs, J. Timothy  
 REGISTRATION NUMBER: 38,241  
 REFERENCE/DOCKET NUMBER: GGC1577/CIP/DIV  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (919)541-8587  
 TELEFAX: (919)541-8689  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 346 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 5-08-459-504B-19

Query Match 49.4%; Score 43; DB 2; Length 346;  
 Best Local Similarity 42.9%; Pred. No. 64;  
 Matches 6; Conservative 3; Mismatches 5; Indels 8

RESULT 9  
 S-08-459-444-19  
 Sequence 19, Application US/08459444A  
 Patent No. 6,121,014  
 GENERAL INFORMATION:  
 APPLICANT: Koziel, Michael G.  
 Desai, Nalini M.  
 Lewis, Kelly S.  
 Kramer, Vance C.  
 Warren, Gregory W.  
 Ewoldt, Stephen V.  
 Crossland, Lyle D.

CITY: Research Triangle Park  
 STATE: NC  
 COUNTRY: USA  
 ZIP: 27709  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/547,422  
 FILING DATE: 11-Apr-2000  
 CLASSIFICATION: <Unknown>  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER: US 08/459,595  
 FILING DATE: 02-Jun-1995  
 APPLICATION NUMBER: US 07/951,715  
 FILING DATE: 25-Sep-1992  
 APPLICATION NUMBER: US 07/772,027  
 FILING DATE: 04-Oct-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meigs, J. Timothy  
 REGISTRATION NUMBER: 38,241  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (919) 541-8587  
 TELEFAX: (919) 541-8689  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 346 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
 US-09-547-422-19

RESULT 11  
 US-09-988-462-19  
 ; Sequence 19, Application US/09/547,422  
 ; Patent No. 6720488  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Koziel, Michael G.  
 ; Desai, Nalini M.  
 ; Lewis, Kelly S.  
 ; Kramer, Vance C.  
 ; Warren, Gregory W.  
 ; Evola, Stephen V.  
 ; Crossland, Lyle D.  
 ; Wright, Martha S.  
 ; Merlin, Ellis J.  
 ; Launis, Karen L.  
 ; TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING EN-  
 ; INSECTICIDAL ACTIVITY IN MAIZE  
 ; NUMBER OF SEQUENCES: 94  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Syngenta Biotechnology, Inc.  
 ; STREET: 3054 Cornwallis Road  
 ; CITY: Research Triangle Park  
 ; STATE: NC  
 ; COUNTRY: USA  
 ; ZIP: 27709  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent in Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/988,462  
 FILING DATE: 20-NO-6720488-2001  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 09/547,422  
 FILING DATE: 11-APR-2000  
 APPLICATION NUMBER: US 08/455,504  
 FILING DATE: 02-JUN-1995  
 APPLICATION NUMBER: US 07/951,715  
 FILING DATE: 25-SEP-1992  
 APPLICATION NUMBER: US 07/772,027  
 FILING DATE: 04-OCT-1991

ATTORNEY/AGENT INFORMATION:  
 NAME: Meigs, J. Timothy  
 REGISTRATION NUMBER: 38,241  
 REFERENCE/DOCKET NUMBER: S-188051  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (919) 541-8587  
 TELEFAX: (919) 541-8689  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 346 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: Protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
 US-09-988,462-19

Query Match 49.4%; Score 43; DB 2; Length 3  
 Best Local Similarity 42.9%; Pred. No. 64;  
 Matches 6; Conservative 3; Mismatches 5; Indels 1

Qy 2 SGPPSGARPNYE 15  
 Db 63 AAPPQGRERRHQ 76

RESULT 12  
 US-09-093-521-2  
 Sequence 2, Application US/09083521  
 Patent No. 6048970  
 GENERAL INFORMATION:  
 APPLICANT: Lal, Preeti  
 APPLICANT: Guegler, Karl J.  
 APPLICANT: Corley, Neil C.  
 TITLE OF INVENTION: PROSTATE GROWTH-ASSOCIATED MEMBRAN  
 NUMBER OF SEQUENCES: 7  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
 STREET: 3174 PORTER DRIVE  
 CITY: PALO ALTO  
 STATE: CALIFORNIA  
 COUNTRY: USA  
 ZIP: 94304  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC Compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/083,521  
 FILING DATE: Herewith  
 CLASSIFICATION:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: CERRONE, MICHAEL C.  
 REGISTRATION NUMBER: 39,132  
 REFERENCE/DOCKET NUMBER: PF-0527 US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (650) 845-0555  
 TELEFAX: (650) 845-4166

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 410 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

IMMEDIATE SOURCE:

LIBRARY: BRSUT03

CLOSE: 1999442

US-09-083-521-2

Query Match Score 43; DB 2; Length 410;  
Best Local Similarity 72.7%; Pred. No. 76;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GPPSGAARRNC 13  
Db 190 GPPSGAARGC 200

RESULT 13  
US-09-252-991A-18128  
Sequence 18128, Application US/09252991A.  
Patent No. 6551795  
GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252.991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 18128

LENGTH: 276

TYPE: PRT

ORGANISM: *Pseudomonas aeruginosa*

US-09-252-991A-18128

Query Match Score 43%; DB 2; Length 276;  
Best Local Similarity 66.7%; Pred. No. 73;  
Matches 8; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SGPPSGAARRNC 13  
Db 182 SGFGPARRRC 193

RESULT 14  
US-08-327-219-6  
Sequence 6, Application US/08327219  
Patent No. 618533  
GENERAL INFORMATION:

APPLICANT: Bell, Graeme I.

APPLICANT: Yamaata, Kazuya

APPLICANT: Oda, Naohisa

APPLICANT: Kaisaki, Pamela J.

APPLICANT: Furuta, Hiroto

APPLICANT: Horikawa, Yukio

APPLICANT: Menzel, Stephen

TITLE OF INVENTION: MUTATIONS IN THE DIABETES SUSCEPTIBILITY GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, HNF-1BETA

TITLE OF INVENTION: GENES HEPATOCYTE NUCLEAR FACTOR (HNF) 1 ALPHA, AND HNF-4ALPHA

NUMBER OF SEQUENCES: 147

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White & Durkee

STREET: P.O. Box 4333

CITY: Houston

STATE: Texas

COUNTRY: USA

ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/927.219  
FILING DATE: Concurrently Herewith  
CLASSIFICATION: 435  
PRIORITY INFORMATION:  
PRIORITY NUMBER: US 60/029,679  
FILING DATE: 30-OCT-1996  
PRIORITY NUMBER: US 60/028,056  
APPLICATION NUMBER: US 60/028,056  
FILING DATE: 02-OCT-1996  
PRIORITY NUMBER: US 60/025,719  
APPLICATION NUMBER: US 60/025,719  
FILING DATE: 10-SEP-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Wilson, Mark B.  
REGISTRATION NUMBER: 37,259  
REFERENCE/DOCKET NUMBER: ARCD:272  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 512/474-3000  
TELEFAX: 512/474-7577  
INFORMATION FOR SEQ ID NO: 6:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 314 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-927-219-6

Query Match Score 42; DB 2; Length 314;  
Best Local Similarity 61.5%;  
Matches 8; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 YSGPPSGARRNC 13  
Db 286 YSGPPPRPPTC 298

RESULT 15  
US-09-252-991A-22424  
Sequence 22424, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:

APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

FILE REFERENCE: 107196.136

CURRENT APPLICATION NUMBER: US/09/252,991A

CURRENT FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

SEQ ID NO 22424

LENGTH: 613

TYPE: PRT

ORGANISM: *Pseudomonas aeruginosa*

US-09-252-991A-22424

Query Match Score 42; DB 2; Length 613;  
Best Local Similarity 58.3%;  
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 2 SGPPSGAARRNC 13  
Db 597 SATGGPRRKC 608

RESULT 16  
 US-09-252-991A-18930  
 ; Sequence 18930, Application US/09252991A  
 ; Patent No. 6551795  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Marc J. Rubenfield et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 ; FILE REFERENCE: 107196.136  
 ; CURRENT APPLICATION NUMBER: US/09/252,991A  
 ; CURRENT FILING DATE: 1998-02-18  
 ; PRIOR APPLICATION NUMBER: US 60/074,788  
 ; PRIOR FILING DATE: 1998-07-27  
 ; NUMBER OF SEQ ID NOS: 33142  
 ; SEQ ID NO: 18930  
 ; LENGTH: 672  
 ; TYPE: PRT  
 ; ORGANISM: *Pseudomonas aeruginosa*  
 US-09-252-991A-18930

Query Match 48.3%; Score 42; DB 2; Length 672;  
 Best Local Similarity 70.0%; Pred. No. 1.8e+02;  
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARRR 11  
 Db :|||:|||  
 72 AGPPTGPRRR 81

RESULT 17  
 US-09-252-991A-26684  
 ; Sequence 26684, Application US/09252991A  
 ; Patent No. 6551795  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Marc J. Rubenfield et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 ; FILE REFERENCE: 107196.136  
 ; CURRENT APPLICATION NUMBER: US/09/252,991A  
 ; CURRENT FILING DATE: 1998-02-18  
 ; PRIOR APPLICATION NUMBER: US 60/074,788  
 ; PRIOR FILING DATE: 1998-02-18  
 ; NUMBER OF SEQ ID NOS: 33142  
 ; SEQ ID NO: 26684  
 ; LENGTH: 127  
 ; TYPE: PRT  
 ; ORGANISM: *Pseudomonas aeruginosa*  
 US-09-252-991A-26684

Query Match 47.1%; Score 41; DB 2; Length 127;  
 Best Local Similarity 80.0%; Pred. No. 49;  
 Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 GPPSGARRRN 12  
 Db :|||:|||  
 73 GSPSSARRRN 82

RESULT 18  
 US-09-252-991A-21532  
 ; Sequence 21532, Application US/09252991A  
 ; Patent No. 6551795  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Marc J. Rubenfield et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 ; FILE REFERENCE: 107196.136  
 ; CURRENT APPLICATION NUMBER: US/09/252,991A  
 ; PRIOR APPLICATION NUMBER: US 60/074,788  
 ; PRIOR FILING DATE: 1998-02-18  
 ; NUMBER OF SEQ ID NOS: 33142  
 ; SEQ ID NO: 21532

Query Match 47.1%; Score 41; DB 2; Length 145;  
 Best Local Similarity 70.0%; Pred. No. 55;  
 Matches 7; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARR 11  
 Db :|||:|||  
 75 SAPPTGSRR 84

RESULT 19  
 US-09-252-991A-18183  
 ; Sequence 18183, Application US/09252991A  
 ; Patent No. 6551795  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Marc J. Rubenfield et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 ; FILE REFERENCE: 107196.136  
 ; CURRENT APPLICATION NUMBER: US/09/252,991A  
 ; CURRENT FILING DATE: 1998-02-18  
 ; PRIOR APPLICATION NUMBER: US 60/074,788  
 ; PRIOR FILING DATE: 1998-02-18  
 ; NUMBER OF SEQ ID NOS: 33142  
 ; SEQ ID NO: 18183  
 ; LENGTH: 146  
 ; TYPE: PRT  
 ; ORGANISM: *Pseudomonas aeruginosa*  
 US-09-252-991A-18183

Query Match 47.1%; Score 41; DB 2; Length 146;  
 Best Local Similarity 87.5%; Pred. No. 56;  
 Matches 7; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 3 GPPSGARR 10  
 Db :|||:|||  
 57 GPPGARR 64

RESULT 20  
 US-09-252-991A-21289  
 ; Sequence 21289, Application US/09252991A  
 ; Patent No. 6551795  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Marc J. Rubenfield et al.  
 ; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
 ; FILE REFERENCE: 107196.136  
 ; CURRENT APPLICATION NUMBER: US/09/252,991A  
 ; CURRENT FILING DATE: 1998-02-18  
 ; PRIOR APPLICATION NUMBER: US 60/074,788  
 ; PRIOR FILING DATE: 1998-02-18  
 ; NUMBER OF SEQ ID NOS: 33142  
 ; SEQ ID NO: 21289  
 ; LENGTH: 156  
 ; TYPE: PRT  
 ; ORGANISM: *Pseudomonas aeruginosa*  
 US-09-252-991A-21289

```

Query Match      47.1%;  Score 41;  DB 2;  Length 156;
Best Local Similarity 66.7%;  Pred. No. 60;
Matches 8;  Conservative 1;  Mismatches 3;  Indels 0;  Gaps 0;
Db      3 GPPSGARRNC 14
Db      133 GPPAGAAPPARY 144

RESULT 21
US-09-252-991A-25992
; Sequence 25992, Application US/09252991A.
; GENERAL INFORMATION:
;   APPLICANT: Marc J. Rubenfield et al.
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;   TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE: 107196.136
;   CURRENT APPLICATION NUMBER: US/09/252.991A
;   CURRENT FILING DATE: 1999-02-18
;   PRIOR APPLICATION NUMBER: US 60/074,788
;   PRIOR FILING DATE: 1998-02-18
;   PRIOR APPLICATION NUMBER: US 60/094,190
;   PRIOR FILING DATE: 1998-07-27
;   NUMBER OF SEQ ID NOS: 33142
;   SEQ ID NO 25992
;   LENGTH: 260
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25992

Query Match      47.1%;  Score 41;  DB 2;  Length 260;
Best Local Similarity 66.7%;  Pred. No. 99;
Matches 8;  Conservative 0;  Mismatches 4;  Indels 0;  Gaps 0;
Db      2 SGPPSGARRNC 13
Db      19 SGAGMGYRRAC 30

RESULT 22
US-09-252-991A-27955
; Sequence 27955, Application US/09252991A.
; GENERAL INFORMATION:
;   APPLICANT: Marc J. Rubenfield et al.
;   TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
;   TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
;   FILE REFERENCE: 107196.136
;   CURRENT FILING DATE: 1999-02-18
;   PRIOR APPLICATION NUMBER: US 60/074,788
;   PRIOR FILING DATE: 1998-02-18
;   PRIOR APPLICATION NUMBER: US 60/094,190
;   PRIOR FILING DATE: 1998-07-27
;   NUMBER OF SEQ ID NOS: 33142
;   SEQ ID NO 27955
;   LENGTH: 341
;   TYPE: PRT
;   ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-27955

Query Match      47.1%;  Score 41;  DB 2;  Length 341;
Best Local Similarity 77.8%;  Pred. No. 1.3e+02;
Matches 7;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;
Db      3 GPPSGARR 11
Db      310 GPPAGQRR 318

RESULT 23

```



Organism: homo sapiens  
 US-09-854-845-45  
 Query Match 46.6%; Score 40.5; DB 2; Length 739;  
 Best Local Similarity 37.5%; Pred. No. 3.3e+02;  
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15  
 Db 394 YVGAPSGVIQQLPLSSCSRYRSCYD 417

RESULT 30  
 US-09-854-845-43  
 Sequence 43, Application US/09854845  
 Patent No. 6750054  
 GENERAL INFORMATION:  
 APPLICANT: Walke, D. Wade  
 APPLICANT: Wang, Xiaoming  
 APPLICANT: Scoville, John  
 APPLICANT: Turner, C. Alexander Jr.  
 TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encod  
 FILE REFERENCE: LEX-0177-USA  
 CURRENT APPLICATION NUMBER: US/09/854 845  
 CURRENT FILING DATE: 2001-05-14  
 PRIOR APPLICATION NUMBER: US 60/205,274  
 PRIOR FILING DATE: 2000-05-18  
 PRIOR APPLICATION NUMBER: US 60/208,893  
 PRIOR FILING DATE: 2000-06-02  
 NUMBER OF SEQ ID NOS: 50  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO: 43  
 LENGTH: 744  
 TYPE: PRT  
 ORGANISM: homo sapiens  
 US-09-854-845-43

Query Match 46.6%; Score 40.5; DB 2; Length 744;  
 Best Local Similarity 37.5%; Pred. No. 3.3e+02;  
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15  
 Db 394 YVGAPSGVIQQLPLSSCSRYRSCYD 417

RESULT 31  
 US-09-854-845-49  
 Sequence 49, Application US/09854845  
 Patent No. 6750054  
 GENERAL INFORMATION:  
 APPLICANT: Walke, D. Wade  
 APPLICANT: Wang, Xiaoming  
 APPLICANT: Scoville, John  
 APPLICANT: Turner, C. Alexander Jr.  
 TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encod  
 FILE REFERENCE: LEX-0177-USA  
 CURRENT APPLICATION NUMBER: US/09/854 845  
 CURRENT FILING DATE: 2001-05-14  
 PRIOR APPLICATION NUMBER: US 60/205,274  
 PRIOR FILING DATE: 2000-05-18  
 PRIOR APPLICATION NUMBER: US 60/208,893  
 PRIOR FILING DATE: 2000-06-02  
 NUMBER OF SEQ ID NOS: 50  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO: 49  
 LENGTH: 766  
 TYPE: PRT  
 ORGANISM: homo sapiens  
 US-09-854-845-49

Query Match 46.6%; Score 40.5; DB 2; Length 766;  
 Best Local Similarity 37.5%; Pred. No. 3.4e+02;  
 ORGANISM: homo sapiens  
 US-09-854-845-49

RESULT 32  
 US-09-854-845-47  
 Sequence 47, Application US/09854845  
 Patent No. 6750054  
 GENERAL INFORMATION:  
 APPLICANT: Walke, D. Wade  
 APPLICANT: Scoville, John  
 APPLICANT: Turner, C. Alexander Jr.  
 TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encod  
 FILE REFERENCE: LEX-0177-USA  
 CURRENT APPLICATION NUMBER: US/09/854 845  
 CURRENT FILING DATE: 2001-05-14  
 PRIOR APPLICATION NUMBER: US 60/205,274  
 PRIOR FILING DATE: 2000-05-18  
 PRIOR APPLICATION NUMBER: US 60/208,893  
 PRIOR FILING DATE: 2000-06-02  
 NUMBER OF SEQ ID NOS: 50  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO: 47  
 LENGTH: 771  
 TYPE: PRT  
 ORGANISM: homo sapiens  
 US-09-854-845-47

Query Match 46.6%; Score 40.5; DB 2; Length 771;  
 Best Local Similarity 37.5%; Pred. No. 3.4e+02;  
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15  
 Db 394 YVGAPSGVIQQLPLSSCSRYRSCYD 417

RESULT 33  
 US-09-854-845-29  
 Sequence 29, Application US/09854845  
 Patent No. 6750054  
 GENERAL INFORMATION:  
 APPLICANT: Walke, D. Wade  
 APPLICANT: Wang, Xiaoming  
 APPLICANT: Scoville, John  
 APPLICANT: Turner, C. Alexander Jr.  
 TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encod  
 FILE REFERENCE: LEX-0177-USA  
 CURRENT APPLICATION NUMBER: US/09/854 845  
 CURRENT FILING DATE: 2001-05-14  
 PRIOR APPLICATION NUMBER: US 60/205,274  
 PRIOR FILING DATE: 2000-05-18  
 PRIOR APPLICATION NUMBER: US 60/208,893  
 PRIOR FILING DATE: 2000-06-02  
 NUMBER OF SEQ ID NOS: 50  
 SOFTWARE: Fast-SEQ for Windows Version 4.0  
 SEQ ID NO: 29  
 LENGTH: 838  
 TYPE: PRT  
 ORGANISM: homo sapiens  
 US-09-854-845-29

Query Match 46.6%; Score 40.5; DB 2; Length 838;  
 Best Local Similarity 37.5%; Pred. No. 3.7e+02;  
 Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;

Qy 1 YSGPPSG-----ARRNCYE 15  
 Db 493 YVGAPSGVIQQLPLSSCSRYRSCYD 516

```

RESULT 34
US-09-854-845-27
; Sequence 27, Application US/09854845
; Patent No. 6750054
; GENERAL INFORMATION:
; APPLICANT: Walke, D. Wade
; APPLICANT: Wang, Xiaoming
; APPLICANT: Scoville, John
; APPLICANT: Turner, C. Alexander Jr.
; TITLE OF INVENTION: No. 6750054el Human Semaphorin Homologs and Polynucleotides Encoded by Human Semaphorin Homologs and Polynucleotides
; FILE REFERENCE: LEX-0177-USA
; CURRENT APPLICATION NUMBER: US/09/854, 845
; CURRENT FILING DATE: 2001-05-14
; PRIOR APPLICATION NUMBER: US 60/205, 274
; PRIOR FILING DATE: 2000-05-18
; PRIOR APPLICATION NUMBER: US 60/208, 893
; PRIOR FILING DATE: 2000-06-02
; NUMBER OF SEQ ID NOS: 50
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 27
; LENGTH: 843
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-27

Query Match 46.6%; Score 40.5; DB 2; Length 843;
Best Local Similarity 37.5%; Pred. No. 3.8e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;
SEQ ID NO: 33
; Software: FastSEQ for Windows Version 4.0
; SEQ ID NO: 31
; LENGTH: 870
; TYPE: PRT
; ORGANISM: homo sapiens
US-09-854-845-31

Query Match 46.6%; Score 40.5; DB 2; Length 870;
Best Local Similarity 37.5%; Pred. No. 3.9e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;
Qy 1 YSGPPSG-----ARRNCYE 15
Db 493 YVGAPSQVIOLPLSSCRSYRSCYD 516
RESULT 37
US-09-252-991A-31073
; Sequence 31073, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEAR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252, 991A
; PRIOR APPLICATION NUMBER: US 60/074, 788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094, 190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 31073
; LENGTH: 158
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-31073

Query Match 46.0%; Score 40; DB 2; Length 158;
Best Local Similarity 88.9%; Pred. No. 86;
Matches 8; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 2 SGPPSGARR 10
Db 44 SGPPSGARR 52
RESULT 38
US-09-248-796A-15677
; Sequence 15677, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBIC
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248, 796A
; CURRENT FILING DATE: 1999-02-12

Query Match 46.6%; Score 40.5; DB 2; Length 865;
Best Local Similarity 37.5%; Pred. No. 3.9e+02;
Matches 9; Conservative 3; Mismatches 3; Indels 9; Gaps 1;
Qy 1 YSGPPSG-----ARRNCYE 15
Db 493 YVGAPSQVIOLPLSSCRSYRSCYD 516
RESULT 36
US-09-854-845-31
; Sequence 31, Application US/09854845

```

---

```

; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO: 15677
; LENGTH: 186
; TYPE: PRT
; ORGANISM: Candida albicans
us-09-248-96A-15677

Query Match          46.0%;  Score 40;  DB 2;  Length 273;
Best Local Similarity 63.6%;  Pred. No. 1.5e+02;
Matches 7;  Conservative 7;  Mismatches 1;  Indels 0;
Gaps 0;
Qy      2 SGPPSGARRRN 12
Db      199 SAPPACRRRN 209

Search completed: February 11, 2006, 08:20:01
Job time : 48 secs

```

---

```

RESULT 39
US-09-252-991A-29348
; Sequence 29348, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-04-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 29348
; LENGTH: 225
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
us-09-252-991A-29348

Query Match          46.0%;  Score 40;  DB 2;  Length 225;
Best Local Similarity 63.6%;  Pred. No. 1.2e+02;
Matches 7;  Conservative 7;  Mismatches 1;  Indels 0;
Gaps 0;
Qy      2 SGPPSGARRRN 12
Db      10 AGPPGRRARN 20


```

---

```

RESULT 40
US-09-252-991A-31733
; Sequence 31733, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252.991A
; CURRENT FILING DATE: 1999-04-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO: 31733
; LENGTH: 273
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
us-09-252-991A-31733

```

GenCore version 5.1.7  
(c) 1993 - 2006 Biocceleration Ltd.

OM protein - protein search, using sw model

Run on: February 11, 2006, 08:31:03 ; Search time 17 Seconds  
(without alignments)  
11.579 Million cell updates/sec

Title: SWOP-018-SEQ1

Perfect score: 87

Sequence: 1 ysgppsgarrnrye 15

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 97014 seqs, 13122538 residues

Total number of hits satisfying chosen parameters: 97014

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 0%  
Listing first 45 summaries

Database : Published Applications AA\_New;\*

1: /cgn2\_6/ptodata/1/pubpaas/US08\_NEW\_PUB.pep;\*

2: /cgn2\_6/ptodata/1/pubpaas/US06\_NEW\_PUB.pep;\*

3: /cgn2\_6/ptodata/1/pubpaas/US07\_NEW\_PUB.pep;\*

4: /cgn2\_6/ptodata/1/pubpaas/PCT\_NEW\_PUB.pep;\*

5: /cgn2\_6/ptodata/1/pubpaas/US09\_NEW\_PUB.pep;\*

6: /cgn2\_6/ptodata/1/pubpaas/US10\_NEW\_PUB.pep;\*

7: /cgn2\_6/ptodata/1/pubpaas/US11\_NEW\_PUB.pep;\*

8: /cgn2\_6/ptodata/1/pubpaas/US60\_NEW\_PUB.pep;\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

| Result No. | Score | Query Match | Length | DB ID                | Description        |
|------------|-------|-------------|--------|----------------------|--------------------|
| 1          | 47    | 54.0        | 271    | 7 US-11-169-041-170  | Sequence 170, App  |
| 2          | 43    | 49.4        | 346    | 6 US-10-755-092-19   | Sequence 19, App   |
| 3          | 39    | 44.8        | 391    | 6 US-10-979-556A-96  | Sequence 86, App   |
| 4          | 39    | 44.8        | 424    | 6 US-10-453-372-68   | Sequence 68, App   |
| 5          | 39    | 44.8        | 550    | 6 US-10-453-372-76   | Sequence 76, App   |
| 6          | 39    | 44.8        | 575    | 6 US-10-453-372-78   | Sequence 78, App   |
| 7          | 39    | 44.8        | 578    | 6 US-10-453-372-66   | Sequence 66, App   |
| 8          | 39    | 44.8        | 578    | 6 US-10-453-372-80   | Sequence 80, App   |
| 9          | 39    | 44.8        | 953    | 6 US-10-966-896-2    | Sequence 2, App    |
| 10         | 38    | 43.7        | 296    | 6 US-10-193-66-2968  | Sequence 2668, App |
| 11         | 38    | 43.7        | 349    | 7 US-11-130-821-2    | Sequence 2, App    |
| 12         | 38    | 43.7        | 374    | 7 US-11-080-991-16   | Sequence 16, App   |
| 13         | 38    | 43.7        | 426    | 7 US-11-024-959-449  | Sequence 449, App  |
| 14         | 38    | 43.7        | 565    | 6 US-10-055-877-228  | Sequence 228, App  |
| 15         | 38    | 43.7        | 613    | 6 US-10-055-877-227  | Sequence 227, App  |
| 16         | 38    | 43.7        | 891    | 7 US-11-182-016-38   | Sequence 38, App   |
| 17         | 37.5  | 43.1        | 72     | 7 US-11-123-896-183  | Sequence 183, App  |
| 18         | 37.5  | 43.1        | 42.5   | 5 US-09-973-360A-523 | Sequence 523, App  |
| 19         | 37    | 42.5        | 1390   | 7 US-11-063-33-35    | Sequence 35, App   |
| 20         | 37    | 42.5        | 44     | 7 US-11-123-896-147  | Sequence 147, App  |
| 21         | 36    | 41.4        | 71     | 7 US-11-123-896-146  | Sequence 146, App  |
| 22         | 36    | 41.4        | 99     | 6 US-10-887-540-9    | Sequence 9, App    |
| 23         | 36    | 41.4        | 108    | 6 US-10-687-742-40   | Sequence 40, App   |
| 24         | 36    | 41.4        | 250    | 6 US-10-821-234-1297 | Sequence 1297, App |
| 25         | 41.4  |             |        |                      |                    |

RESULT 1  
US-11-169-041-170  
; Sequence 170, Application US/11169041  
; Publication No. US2006001284A1  
; GENERAL INFORMATION:  
; APPLICANT: Bristol-Myers Squibb Company  
; TITLE OF INVENTION: POLYNUCLEOTIDES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER  
; TITLE OF INVENTION: KINASES AND/OR PROTEIN TYROSINE KINASE PATHWAYS IN LUNG CANCER  
; FILE REFERENCE: 10001 NP  
; CURRENT APPLICATION NUMBER: US/11/169,041  
; CURRENT FILING DATE: 2005-06-30  
; PRIORITY FILING DATE: 2004-06-30  
; NUMBER OF SEQ ID NOS: 527  
; SOFTWARE: PatentIn version 3.2  
; SEQ ID NO: 170  
; LENGTH: 271  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
; US-11-169-041-170

Query Match 54.0%; Score 47; DB 7; Length 271;  
Best Local Similarity 72.7%; Pred. No. 1.6;  
Matches 8; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GPPGARRNC 13  
Db 87 GPPGIVRRPC 97

RESULT 2  
US-10-755-092-19  
; Sequence 19, Application US/10755092  
; Publication No. US20050021095A1  
; GENERAL INFORMATION:  
; APPLICANT: Koziel, Michael G.  
; Desai, Nalini M.  
; Lewis, Kelly S.  
; Kramer, Vance C.  
; Warren, Gregory W.  
; Evola, Stephen V.  
; Crossland, Lytle D.  
; Wright, Martha S.  
; Merlin, Ellis J.  
; Launis, Karen L.  
; TITLE OF INVENTION: SYNTHETIC DNA SEQUENCE HAVING ENHANCED

NUMBER OF SEQUENCES: 94  
 CORRESPONDENCE ADDRESS: Syngenta Biotechnology, Inc.  
 STREET: 3054 Cornwallis Road  
 CITY: Research Triangle Park  
 STATE: NC  
 COUNTRY: USA  
 ZIP: 27709  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/755,092  
 FILING DATE: 08-Jan-2004  
 CLASSIFICATION: <Unknown>  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/09/988,462  
 FILING DATE: 20-Nov-2001  
 APPLICATION NUMBER: US 09/547,422  
 FILING DATE: 11-APR-2000  
 APPLICATION NUMBER: US 08/459,504  
 FILING DATE: 02-JUN-1995  
 APPLICATION NUMBER: US 07/951,715  
 FILING DATE: 26-SEP-1992  
 APPLICATION NUMBER: US 07/772,027  
 FILING DATE: 04-OCT-1991  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Meigs, J. Timothy  
 REGISTRATION NUMBER: 38,241  
 PRIORITY/DOCKET NUMBER: S-188051  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (919)541-8587  
 TELEFAX: (919)541-8689  
 INFORMATION FOR SEQ ID NO: 19:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 346 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 19:  
 US-10-755-092-19

Query Match 49.4%; Score 43; DB 6; Length 346;  
 Best Local Similarity 42.9%; Pred. No. 8.2;  
 Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNC 15  
 Db 63 AAPPQAGRRRCHQ 76

RESULT 3  
 US-10-878-556A-86  
 ; Sequence 86, Application US/10878556A  
 ; Publication No. US/0050266399A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Hoffmann La-Roche Inc.  
 ; TITLE OF INVENTION: HCV regulated protein expression  
 ; CURRENT FILING DATE: 2004-06-28  
 ; FILE REFERENCE: 211762  
 ; CURRENT APPLICATION NUMBER: US/10/878,556A  
 ; NUMBER OF SEQ ID NOS: 199  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO: 86  
 ; LENGTH: 391  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 ; DATABASE ACCESS NUMBER: 8w hum/rog\_human  
 ; DATABASE ENTRY DATE: 1994-10-01

US-10-878-556A-86  
 Query Match 44.8%; Score 39; DB 6; Length 391;  
 Best Local Similarity 53.3%; Pred. No. 38; 1; Mismatches 6; Indels 0; Gaps 0;  
 Qy 1 YSGPPSGARRNC 15  
 Db 272 YSDHPGGSYRDSYE 286

RESULT 4  
 US-10-453-372-68  
 ; Sequence 68, Application US/10453372  
 ; Publication No. US/20060003323A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Alisbrook, et al.  
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
 ; FILE REFERENCE: 21402-58-A  
 ; CURRENT FILING DATE: 2003-06-03  
 ; PRIOR APPLICATION NUMBER: 09/10453,372  
 ; PRIOR FILING DATE: 2001-02-23  
 ; PRIOR APPLICATION NUMBER: 60/185967  
 ; PRIOR FILING DATE: 2000-03-01  
 ; PRIOR APPLICATION NUMBER: 09/823187  
 ; PRIOR FILING DATE: 2001-03-29  
 ; PRIOR APPLICATION NUMBER: 60/195792  
 ; PRIOR FILING DATE: 2000-03-10  
 ; PRIOR APPLICATION NUMBER: 09/839446  
 ; PRIOR FILING DATE: 2001-03-19  
 ; PRIOR APPLICATION NUMBER: 60/193476  
 ; PRIOR FILING DATE: 2000-03-25  
 ; PRIOR APPLICATION NUMBER: 09/863776  
 ; PRIOR FILING DATE: 2001-05-13  
 ; PRIOR APPLICATION NUMBER: 60/208263  
 ; PRIOR FILING DATE: 2000-05-31  
 ; PRIOR APPLICATION NUMBER: 09/939398  
 ; PRIOR FILING DATE: 2001-08-24  
 ; PRIOR APPLICATION NUMBER: 60/227800  
 ; PRIOR FILING DATE: 2000-08-25  
 ; Remaining Prior Application data removed - See File Wrapper or PAML.  
 ; NUMBER OF SEQ ID NOS: 1609  
 ; SOFTWARE: Curaseldist version 0.1  
 ; SEQ ID NO: 68  
 ; LENGTH: 424  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-453-372-68

Query Match 44.8%; Score 39; DB 6; Length 424;  
 Best Local Similarity 50.0%; Pred. No. 40;  
 Matches 6; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNC 13  
 Db 408 APELGERKCK 419

RESULT 5  
 US-10-453-372-76  
 ; Sequence 76, Application US/10453372  
 ; Publication No. US/20060003323A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Alisbrook, et al.  
 ; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD  
 ; FILE REFERENCE: 21402-589-A  
 ; CURRENT FILING DATE: 2003-06-03  
 ; PRIOR APPLICATION NUMBER: 09/789390  
 ; PRIOR FILING DATE: 2001-02-23  
 ; PRIOR APPLICATION NUMBER: 60/185967  
 ; PRIOR FILING DATE: 2000-03-01  
 ; PRIOR APPLICATION NUMBER: 09/823187  
 ; PRIOR FILING DATE: 2001-03-29  
 ; PRIOR APPLICATION NUMBER: 60/195792  
 ; PRIOR FILING DATE: 2000-03-10  
 ; PRIOR APPLICATION NUMBER: 09/839446  
 ; PRIOR FILING DATE: 2001-03-19  
 ; PRIOR APPLICATION NUMBER: 60/193476  
 ; PRIOR FILING DATE: 2000-03-25  
 ; PRIOR APPLICATION NUMBER: 09/863776  
 ; PRIOR FILING DATE: 2001-05-13  
 ; PRIOR APPLICATION NUMBER: 60/208263  
 ; PRIOR FILING DATE: 2000-05-31  
 ; PRIOR APPLICATION NUMBER: 09/939398  
 ; PRIOR FILING DATE: 2001-08-24  
 ; PRIOR APPLICATION NUMBER: 60/227800  
 ; PRIOR FILING DATE: 2000-08-25  
 ; Remaining Prior Application data removed - See File Wrapper or PAML.  
 ; NUMBER OF SEQ ID NOS: 1609  
 ; SOFTWARE: Curaseldist version 0.1  
 ; SEQ ID NO: 68

---

```

; PRIOR APPLICATION NUMBER: 09/823187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278000
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 76
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-76

Query Match          44 8%;  Score 39;  DB 6;  Length 575;
Best Local Similarity 50.0%;  Pred. No. 52;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;
Qy          2 SGPPSGARRNC 13
Db          :|||:|||:|||:
559 AGPELGSRKKC 570

RESULT 7
US-10-453-372-66
; Sequence 66, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alisbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/8231187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 66
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-66

Query Match          44 8%;  Score 39;  DB 6;  Length 578;
Best Local Similarity 50.0%;  Pred. No. 53;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;
Qy          2 SGPPSGARRNC 13
Db          :|||:|||:|||:
562 AGPELGSRKKC 573

RESULT 8
US-10-453-372-80
; Sequence 80, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
; APPLICANT: Alisbrook, et al.
; TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
; CURRENT APPLICATION NUMBER: US/10/453,372
; CURRENT FILING DATE: 2003-06-03
; PRIOR APPLICATION NUMBER: 21402-589 A
; FILE REFERENCE: 21402-589 A
; PRIOR APPLICATION NUMBER: 09/789390
; PRIOR FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: 60/185967
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 09/8231187
; PRIOR FILING DATE: 2001-03-29
; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208263
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939398
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227800
; PRIOR FILING DATE: 2000-08-25
; Remaining Prior Application data removed - See File Wrapper or PALM.
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 75
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-10-453-372-78

```

```

; PRIOR APPLICATION NUMBER: 60/195792
; PRIOR FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/839446
; PRIOR FILING DATE: 2001-03-19
; PRIOR APPLICATION NUMBER: 60/199476
; PRIOR FILING DATE: 2000-03-25
; PRIOR APPLICATION NUMBER: 09/863776
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: 60/208233
; PRIOR FILING DATE: 2000-05-31
; PRIOR APPLICATION NUMBER: 09/939938
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/227900
; PRIOR FILING DATE: 2000-08-25
; NUMBER OF SEQ ID NOS: 1609
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO: 80
; LENGTH: 578
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-453-372-80

Query Match          44.8%;  Score 39;  DB 6;  Length 578;
Best Local Similarity 50.0%;  Pred. No. 53;  Indels 0;  Gaps 0;
Matches 6;  Conservative 3;  Mismatches 3;  Indels 0;  Gaps 0;

Qy      2 SGPBPGARRRNC 13
Db      562 AGPELGSSRRKKG 573

RESULT 9
US-10-966-846-2
; Sequence 2, Application US/10966846
; Publication No. US20050287612A1
; GENERAL INFORMATION:
;   APPLICANT: Bertin, John
;   APPLICANT: Philipot, Dana
;   APPLICANT: Sansonetti, Philippe
;   APPLICANT: Girardin, Stephen
; TITLE OF INVENTION: CARD4 MOLECULES AND USES THEREOF
; FILE REFERENCE: 07334-371004
; CURRENT APPLICATION NUMBER: US/10/9666,846
; CURRENT FILING DATE: 2004-10-15
; PRIOR APPLICATION NUMBER: US 10/706,857
; PRIOR FILING DATE: 2003-11-12
; PRIOR APPLICATION NUMBER: US 10/352,381
; PRIOR FILING DATE: 2003-01-27
; PRIOR APPLICATION NUMBER: US 10/154,485
; PRIOR FILING DATE: 2002-05-22
; PRIOR APPLICATION NUMBER: US 10/027,881
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: US 60/258,724
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 953
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-966-846-2

Query Match          44.8%;  Score 39;  DB 6;  Length 953;
Best Local Similarity 54.5%;  Pred. No. 80;  Indels 3;  Gaps 0;
Matches 6;  Conservative 2;  Mismatches 2;  Indels 3;  Gaps 0;

Qy      4 PPSGARRRNC 14
Db      549 PPAGHATTSCTY 559

RESULT 10
US-11-080-991-16
; Sequence 16, Application US/11080991

```

Publication No. US20050266437A1  
 GENERAL INFORMATION:  
 APPLICANT: Veiby, Petter Ole  
 TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY OF BREAST AND OVARIAN CANCER  
 TITLE OF INVENTION:  
 FILE REFERENCE: MRI-039  
 CURRENT APPLICATION NUMBER: US/11/080,991  
 CURRENT FILING DATE: 2005-03-11  
 PRIOR APPLICATION NUMBER: US/10/176,847  
 PRIOR FILING DATE: 2002-06-21  
 NUMBER OF SEQ ID NOS: 112  
 SOFTWARE: FastSEQ for Windows Version 4.0  
 SEQ ID NO 16  
 LENGTH: 374  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 US-11-080-991-16

Query Match 43.7%; Score 38; DB 7; Length 374;  
 Best Local Similarity 46.7%; Pred. No. 52;  
 Matches 7; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 1 YGPPSGARRNCYE 15  
 Db 34 YPGPAGGADTTSPE 48

RESULT 13  
 US-11-024-959-449  
 Sequence 449, Application US/11024959  
 Publication No. US20060010516A1  
 GENERAL INFORMATION:  
 APPLICANT: FORSTER, RICHARD L.  
 APPLICANT: CONNETT, MARIE B.  
 APPLICANT: EMERSON, SARAH JANE  
 APPLICANT: GRIGOR, MURRAY ROBERT  
 APPLICANT: HIGGINS, COLLEEN M.  
 APPLICANT: LOND, STEVEN TROY  
 APPLICANT: MAGUSIN, ANDREAS  
 APPLICANT: KODRZYCKI, BOB  
 TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS  
 FILE REFERENCE: 044463-0360  
 CURRENT APPLICATION NUMBER: US/11/024,959  
 CURRENT FILING DATE: 2004-12-30  
 PRIOR APPLICATION NUMBER: 60/533,036  
 PRIOR FILING DATE: 2003-12-30  
 NUMBER OF SEQ ID NOS: 782  
 SOFTWARE: PatentIn version 3.3  
 SEQ ID NO 49  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Pinus radiata  
 US-11-024-959-449

Query Match 43.7%; Score 38; DB 7; Length 426;  
 Best Local Similarity 66.7%; Pred. No. 58;  
 Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 2 SGPPSGARR 10  
 Db 74 AGPPGSSRR 82

RESULT 14  
 US-10-055-877-228  
 Sequence 228, Application US/10055877  
 Publication No. US20050288241A1  
 GENERAL INFORMATION:  
 APPLICANT: DeCristofaro, Marc  
 APPLICANT: Padigaru, Muraiidhara  
 APPLICANT: Miller, Charles  
 APPLICANT: Tchernev, Velizar

Query Match 43.7%; Score 38; DB 6; Length 565;  
 Best Local Similarity 46.2%; Pred. No. 74;  
 Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 SGPPSGARRNCY 14  
 Db 487 AGPPAGLARNCF 499

RESULT 15  
 US-10-055-877-227  
 Sequence 227, Application US/10055877  
 Publication No. US20050288241A1  
 GENERAL INFORMATION:  
 APPLICANT: DeCristofaro, Marc  
 APPLICANT: Padigaru, Muraiidhara  
 APPLICANT: Miller, Charles  
 APPLICANT: Tchernev, Velizar

Page 6

```

; Publication No. US20060019294A1
; GENERAL INFORMATION:
;   APPLICANT: SUGEN, INC.
;   TITLE OF INVENTION: TYROSINE KINASE SUBSTRATE (TKS) PROTEINS
;   CURRENT APPLICATION NUMBER: US/11/182,016
;   FILE REFERENCE: 038602/0102
;   CURRENT FILING DATE: 2005-07-15
;   PRIOR APPLICATION NUMBER: US/09/958,359
;   PRIOR FILING DATE: 2002-02-05
;   NUMBER OF SEQ ID NOS: 55
;   SOFTWARE: PatentIn Ver. 2.1
;   SEQ ID NO 38
;   LENGTH: 891
;   TYPE: PRT
;   ORGANISM: Unknown Organism
;   FEATURE:
;   OTHER INFORMATION: Description of Unknown Organism: Tks 202
US-11-182-016-38

Qy 3 GPPSGARRR 11
Db 773 GAPSRRR 781

RESULT 17
US-11-123-896-183
; Sequence 163, Application US/11123896
; Publication No. US2005027381A1
; GENERAL INFORMATION:
;   APPLICANT: Simmons, Carl R.
;   APPLICATION: Navarro Acevedo, Pedro A.
;   APPLICATION: Harvey, Leslie
;   APPLICATION: Cabon, Rebecca
;   APPLICATION: McCutchen, Billy Fred
;   APPLICATION: Lu, Albert
;   APPLICATION: Herrmann, Rafael
;   APPLICATION: Wong, James
;   APPLICATION: Denaian Polynucleotides and Methods of
;   TITLE OF INVENTION: Denaian Polynucleotides and Methods of
;   FILE REFERENCE: 3571-B/46703
;   CURRENT APPLICATION NUMBER: US/11/123,896
;   CURRENT FILING DATE: 2005-05-06
;   PRIOR APPLICATION NUMBER: 60/300,152
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/300,241
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/300,241
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/263,799
;   PRIOR FILING DATE: 2001-01-24
;   PRIOR APPLICATION NUMBER: 60/264,117
;   PRIOR FILING DATE: 2001-01-25
;   PRIOR APPLICATION NUMBER: 60/264,139
;   PRIOR FILING DATE: 2001-01-25
;   PRIOR APPLICATION NUMBER: 60/264,478
;   PRIOR FILING DATE: 2001-01-26
;   PRIOR APPLICATION NUMBER: 60/263,351
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: 60/272,870
;   PRIOR FILING DATE: 2001-03-02
;   PRIOR APPLICATION NUMBER: 60/275,990
;   PRIOR FILING DATE: 2001-03-14
;   PRIOR APPLICATION NUMBER: 60/275,927
;   PRIOR FILING DATE: 2001-03-14
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 512
;   SEQ ID NO 227
;   LENGTH: 613
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-055-877-227

Qy 2 SGPPSGARR-NCYE 15
Db 29 SGKCDGVRRCCTCYE 43

RESULT 18
US-11-123-896-182
; Sequence 182, Application US/11123896
; Publication No. US2005027381A1
; GENERAL INFORMATION:
;   APPLICANT: Simmons, Carl R.
;   APPLICATION: Navarro Acevedo, Pedro A.
;   APPLICATION: Harvey, Leslie
;   APPLICATION: Cabon, Rebecca
;   APPLICATION: McCutchen, Billy Fred
;   APPLICATION: Lu, Albert
;   APPLICATION: Herrmann, Rafael
;   APPLICATION: Wong, James
;   APPLICATION: Denaian Polynucleotides and Methods of
;   TITLE OF INVENTION: Denaian Polynucleotides and Methods of
;   FILE REFERENCE: 3571-B/46703
;   CURRENT APPLICATION NUMBER: US/11/123,896
;   CURRENT FILING DATE: 2005-05-06
;   PRIOR APPLICATION NUMBER: 60/300,152
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/300,241
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/300,241
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/263,799
;   PRIOR FILING DATE: 2001-01-24
;   PRIOR APPLICATION NUMBER: 60/264,117
;   PRIOR FILING DATE: 2001-01-25
;   PRIOR APPLICATION NUMBER: 60/264,139
;   PRIOR FILING DATE: 2001-01-25
;   PRIOR APPLICATION NUMBER: 60/264,478
;   PRIOR FILING DATE: 2001-01-26
;   PRIOR APPLICATION NUMBER: 60/263,351
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: 60/272,870
;   PRIOR FILING DATE: 2001-03-02
;   PRIOR APPLICATION NUMBER: 60/275,990
;   PRIOR FILING DATE: 2001-03-14
;   PRIOR APPLICATION NUMBER: 60/275,927
;   PRIOR FILING DATE: 2001-03-14
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 512
;   SEQ ID NO 227
;   LENGTH: 613
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-055-877-227

Qy 2 SGPPSGARR-NCYE 14
Db 535 AGPIAGLRLNCF 547

RESULT 19
US-11-182-016-38
; Sequence 182, Application US/11123896
; Publication No. US2005027381A1
; GENERAL INFORMATION:
;   APPLICANT: Simmons, Carl R.
;   APPLICATION: Navarro Acevedo, Pedro A.
;   APPLICATION: Harvey, Leslie
;   APPLICATION: Cabon, Rebecca
;   APPLICATION: McCutchen, Billy Fred
;   APPLICATION: Lu, Albert
;   APPLICATION: Herrmann, Rafael
;   APPLICATION: Wong, James
;   APPLICATION: Denaian Polynucleotides and Methods of
;   TITLE OF INVENTION: Denaian Polynucleotides and Methods of
;   FILE REFERENCE: 3571-B/46703
;   CURRENT APPLICATION NUMBER: US/11/123,896
;   CURRENT FILING DATE: 2005-05-06
;   PRIOR APPLICATION NUMBER: 60/300,152
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/300,241
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/300,241
;   PRIOR FILING DATE: 2001-06-22
;   PRIOR APPLICATION NUMBER: 60/263,799
;   PRIOR FILING DATE: 2001-01-24
;   PRIOR APPLICATION NUMBER: 60/264,117
;   PRIOR FILING DATE: 2001-01-25
;   PRIOR APPLICATION NUMBER: 60/264,139
;   PRIOR FILING DATE: 2001-01-25
;   PRIOR APPLICATION NUMBER: 60/264,478
;   PRIOR FILING DATE: 2001-01-26
;   PRIOR APPLICATION NUMBER: 60/263,351
;   PRIOR FILING DATE: 2001-01-30
;   PRIOR APPLICATION NUMBER: 60/272,870
;   PRIOR FILING DATE: 2001-03-02
;   PRIOR APPLICATION NUMBER: 60/275,990
;   PRIOR FILING DATE: 2001-03-14
;   PRIOR APPLICATION NUMBER: 60/275,927
;   PRIOR FILING DATE: 2001-03-14
;   Remaining Prior Application data removed - See File Wrapper or PALM.
;   NUMBER OF SEQ ID NOS: 512
;   SEQ ID NO 227
;   LENGTH: 613
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-10-055-877-227

Qy 2 SGPPSGARR-NCYE 14
Db 535 AGPIAGLRLNCF 547

```



; ORGANISM: Taraxacum kok-saghyz  
US-11-123-896-147

Query Match 41.4%; Score 36; DB 7; Length 44;  
Best Local Similarity 50.0%; Pred. No. 17;  
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;  
Qy 2 SGPPSGARRCYE 15  
Db 29 SGKCDGVRRCTCYK 42

RESULT 22  
US-11-123-896-146  
Sequence 146, Application US/11123896  
; Publication No. US20050273881A1  
GENERAL INFORMATION:  
; APPLICANT: Simmons, Carl R.  
; APPLICANT: Navarro Acevedo, Pedro A.  
; APPLICANT: Harvill, Leslie  
; APPLICANT: McCutchen, Rebecca  
; APPLICANT: Lu, Albert  
; APPLICANT: Herrmann, Rafael  
; APPLICANT: Wong, James  
TITLE OF INVENTION: Defensin Polynucleotides and Methods of  
FILE REFERENCE: 35718/246703  
CURRENT APPLICATION NUMBER: US/11/123, 896  
CURRENT FILING DATE: 2005-05-06  
PRIOR APPLICATION NUMBER: 60/300, 152  
PRIOR FILING DATE: 2001-06-22  
NUMBER OF SEQ ID NOS: 469  
SEQ ID NO: 146  
LENGTH: 71  
TYPE: PRT  
; ORGANISM: Taraxacum kok-saghyz  
US-11-123-896-146

Query Match 41.4%; Score 36; DB 7; Length 71;  
Best Local Similarity 50.0%; Pred. No. 26;  
Matches 7; Conservative 1; Mismatches 6; Indels 0; Gaps 0;  
Qy 2 SGPPSGARRCYE 15  
Db 56 SGKCDGVRRCTCYK 69

RESULT 23  
US-10-887-540-9  
Sequence 9, Application US/10887540  
; Publication No. US20060008876A1  
GENERAL INFORMATION:  
; APPLICANT: El Shami, A. Said  
; APPLICANT: Campbell, Bruce A.  
; APPLICANT: Sustaric, Dennis  
; APPLICANT: Sahakian, Niver P.  
TITLE OF INVENTION: MB-5, ME-2, and EEP2: Human Protein Antigens Reactive with  
TITLE OF INVENTION: Autoantibodies Present in the Serum of Women Suffering From  
TITLE OF INVENTION: Endometriosis  
FILE REFERENCE: 107-226  
CURRENT APPLICATION NUMBER: US/10/887, 540  
CURRENT FILING DATE: 2004-07-07  
NUMBER OF SEQ ID NOS: 9  
SEQ ID NO: 9  
LENGTH: 99  
TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-887-540-9

Query Match 41.4%; Score 36; DB 6; Length 250;  
Best Local Similarity 85.7%; Pred. No. 75;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Query Match 41.4%; Score 36; DB 6; Length 99;  
Best Local Similarity 66.7%; Pred. No. 34;  
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;  
Qy 2 SGPPGARR 10  
Db 85 SGPPPGSQR 93

RESULT 24  
US-10-689-742-40  
Sequence 40, Application US/10689742  
; Publication No. US20050250180A1  
GENERAL INFORMATION:  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M  
; APPLICANT: Lavallie, Edward R  
; APPLICANT: Racine, Lisa A  
; APPLICANT: Evans, Cherry  
; APPLICANT: Moberg, David  
; APPLICANT: Treacy, Maurice  
; APPLICANT: Spaulding, Vicki  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
FILE REFERENCE: 00766 000091.10  
CURRENT APPLICATION NUMBER: US/10/689, 742  
CURRENT FILING DATE: 2003-10-22  
PRIORITY APPLICATION NUMBER: 09/746, 783  
PRIORITY FILING DATE: 2000-12-21  
NUMBER OF SEQ ID NOS: 231  
SOFTWARE: Patentin version 3.2  
SEQ ID NO: 40  
LENGTH: 108  
TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-689-742-40

Query Match 41.4%; Score 36; DB 6; Length 108;  
Best Local Similarity 54.5%; Pred. No. 37;  
Matches 6; Conservative 1; Mismatches 4; Indels 0; Gaps 0;  
Qy 4 PPSGARRNY 14  
Db 79 PPTRAAARGCY 89

RESULT 25  
US-10-021-234-1297  
Sequence 1297, Application US/10821234  
; Publication No. US0050255114A1  
GENERAL INFORMATION:  
; APPLICANT: Labat, Ivan  
; APPLICANT: Stache-Crain, Birgit  
; APPLICANT: Andarmani, Susan  
; APPLICANT: Tang, Y. Tom  
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia  
FILE REFERENCE: 821A  
; CURRENT APPLICATION NUMBER: US/10/821, 234  
; CURRENT FILING DATE: 2004-04-07  
; PRIORITY APPLICATION NUMBER: US 60/462, 047  
; PRIORITY FILING DATE: 2003-04-07  
; NUMBER OF SEQ ID NOS: 1704  
; SOFTWARE: pt SEQ\_genes Version 1.0  
; SEQ ID NO: 1297  
; LENGTH: 250  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-821-234-1297

Query Match 41.4%; Score 36; DB 6; Length 250;  
Best Local Similarity 85.7%; Pred. No. 75;  
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

```

Qy      1 YSGPPSG 7
      | ||||| 7
      79 YPGPPSG 85
Db

RESULT 26
US-11-098-6-86-10747
; Sequence 10747, Application US/11098686
; GENERAL INFORMATION:
; APPLICANT: Kpui, Virek and Gebhart, Connie J
; TITLE OF INVENTION: NUCLEAR ACID AND POLYPEPTIDE SEQUENCES
; FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT FILING DATE: 2005-04-04
; PRIORITY NUMBER: PCT/US03/31318
; PRIORITY NUMBER: US 2003-10-01
; PRIORITY NUMBER: US 60/416,395
; PRIORITY NUMBER: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 10747
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-6-86-10747

Query Match      41.4%;  Score 36;  DB 7;  Length 394;
Best Local Similarity 85.7%;  Pred. No. 1.1e+02;  Indels 0;  Gaps 0;
Matches 6;  Conservative 0;  Mismatches 1;  Indels 0;  Gaps 0;
Qy      1 YSGPPSG 7
Db      10 YSGPPPG 16

RESULT 28
US-11-098-6-86-10747
; Sequence 10747, Application US/11098686
; GENERAL INFORMATION:
; APPLICANT: Kpui, Virek and Gebhart, Connie J
; TITLE OF INVENTION: NUCLEAR ACID AND POLYPEPTIDE SEQUENCES
; FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT FILING DATE: 2005-04-04
; PRIORITY NUMBER: PCT/US03/31318
; PRIORITY NUMBER: US 2003-10-01
; PRIORITY NUMBER: US 60/416,395
; PRIORITY NUMBER: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 10747
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-6-86-10747

Query Match      41.4%;  Score 36;  DB 6;  Length 486;
Best Local Similarity 75.0%;  Pred. No. 1.3e+02;  Indels 0;  Gaps 0;
Matches 6;  Conservative 1;  Mismatches 1;  Indels 0;  Gaps 0;
Qy      2 SGPPSGAR 9
Db      13 AGPPGAR 20

RESULT 29
US-11-098-6-86-10747
; Sequence 10747, Application US/11098686
; GENERAL INFORMATION:
; APPLICANT: Kpui, Virek and Gebhart, Connie J
; TITLE OF INVENTION: NUCLEAR ACID AND POLYPEPTIDE SEQUENCES
; FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
; FILE REFERENCE: 09531-128001
; CURRENT FILING DATE: 2005-04-04
; PRIORITY NUMBER: PCT/US03/31318
; PRIORITY NUMBER: US 2003-10-01
; PRIORITY NUMBER: US 60/416,395
; PRIORITY NUMBER: 2002-10-04
; NUMBER OF SEQ ID NOS: 11433
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 10747
; LENGTH: 394
; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-6-86-10747

Query Match      41.4%;  Score 36;  DB 7;  Length 882;
Best Local Similarity 70.0%;  Pred. No. 2.2e+02;  Indels 0;  Gaps 0;
Matches 7;  Conservative 1;  Mismatches 2;  Indels 0;  Gaps 0;
Qy      2 SGPPSGARR 11
Db      660 SGPNRGAKRR 669

RESULT 29
US-11-024-959-459
; Sequence 459, Application US/11024959
; Publication No. US20060010516A1
; GENERAL INFORMATION:
; APPLICANT: FORSTER, RICHARD L.
; APPLICANT: CONNETT, MARIE B.
; APPLICANT: EMERSON, SARAH JANE
; APPLICANT: GRIGOR, MURRAY ROBERT
; APPLICANT: HIGGINS, COLLEEN M.
; APPLICANT: LUND, STEVEN TROY
; APPLICANT: MAGUSIN, ANDREAS
; APPLICANT: KODRZYCKI, BOB
; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS
; FILE REFERENCE: 044463-0360

```

```

; CURRENT APPLICATION NUMBER: US/11/024,959
; CURRENT FILING DATE: 2004-12-30
; PRIOR APPLICATION NUMBER: 60/533,036
; PRIOR FILING DATE: 2003-12-30
; NUMBER OF SEQ ID NOS: 782
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO: 459
; LENGTH: 1121
; TYPE: PRT
; ORGANISM: Pinus radiata
US-11-024-959-459

Query Match
Best Local Similarity 41.4%; Score 36; DB 7; Length 1121;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
Qy 3 GPPSGAR 9
Db 205 GPPNGAR 211

RESULT 30
US-10-667-295-176
; Sequence 176, Application US/10667295
; Publication No. US20050257293A1
; GENERAL INFORMATION:
; APPLICANT: Mascia, Peter
; TITLE OF INVENTION: BIOLOGICAL CONTAINMENT SYSTEM
; FILE REFERENCE: 11656-047001
; CURRENT APPLICATION NUMBER: US/10/667,295
; CURRENT FILING DATE: 2003-09-17
; PRIOR APPLICATION NUMBER: US 60/411,823
; PRIOR FILING DATE: 2002-09-17
; NUMBER OF SEQ ID NOS: 263
; SOFTWARE: Fast-SEQ for Windows Version 4.0
; SEQ ID NO: 176
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Triticum aestivum
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(138)
; OTHER INFORMATION: Ceres Seq. ID no. 4390461
US-10-667-295-176

Query Match
Best Local Similarity 40.2%; Score 35; DB 6; Length 138;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 2 SGPPSGARR 10
Db 83 SGSPFGARR 91

RESULT 31
US-10-467-657-7422
; Sequence 7422, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
; APPLICANT: CHIRON SPA
; APPLICANT: FONTANA Maria Rita
; APPLICANT: PIZZA Mariagrazia
; APPLICANT: MASIGNANI Vega
; APPLICANT: MONACI Elisetta
; TITLE OF INVENTION: GONOCOCAL PROTEINS AND NUCLEIC ACIDS
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/467,657
; CURRENT FILING DATE: 2003-08-11
; PRIOR APPLICATION NUMBER: GB-0103424.8
; NUMBER OF SEQ ID NOS: 9218
; SOFTWARE: Seqwin99, version 1.04
; SEQ ID NO: 7422

Query Match
Best Local Similarity 40.2%; Score 35; DB 7; Length 476;
Matches 5; Conservative 2; Mismatches 3; Indels 0; Gaps 0;
Qy 5 PSGARRNCY 14

```

Db 12 PDGVKRKVY 21

RESULT 34  
 US-10-641-678-65  
 ; Sequence 65, Application US/10641678  
 ; Publication No. US20050277172A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Day, Anthony, G.  
 ; APPLICANT: Goedegebur, Prits  
 ; APPLICANT: Gualfetti, Peter  
 ; APPLICANT: Mitchellson, Colin  
 ; APPLICANT: Neete, Paulien  
 ; APPLICANT: Sandgren, Mats  
 ; APPLICANT: Shaw, Andrew  
 ; APPLICANT: Stahlberg, Jerry  
 ; TITLE OF INVENTION: Novel Variant Hypocrea jecorina CBH1  
 ; TITLE OF INVENTION: Cellulases  
 ; FILE REFERENCE: GC772-3  
 ; CURRENT APPLICATION NUMBER: US/10/641,678  
 ; CURRENT FILING DATE: 2003-08-15  
 ; PRIOR APPLICATION NUMBER: US 60/458,853  
 ; PRIOR FILING DATE: 2003-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/458,696  
 ; PRIOR FILING DATE: 2003-03-27  
 ; PRIOR APPLICATION NUMBER: US 60/456,368  
 ; PRIOR FILING DATE: 2003-03-21  
 ; PRIOR APPLICATION NUMBER: US 60/404,063  
 ; PRIOR FILING DATE: 2002-08-16  
 ; NUMBER OF SEQ ID NOS: 77  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 65  
 ; LENGTH: 491  
 ; TYPE: PRT  
 ; FEATURE:  
 ; NAME/KEY: VARIANT  
 ; LOCATION: (349) .. (349)  
 ; OTHER INFORMATION: Xaa = Any Amino Acid  
 US-10-641-678-65

Query Match Score 35; DB 6; Length 491;  
 Best Local Similarity 70.0%; Pred. No. 1.9e+02; 3; Indels 0; Gaps 0;

Qy 2 SGPPSGARRR 11  
 Db 49 SZPPPGHRR 458

RESULT 35  
 US-11-124-368A-254  
 ; Sequence 254, Application US/11124368A  
 ; Publication No. US20050287559A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Michele Cavigill  
 ; APPLICANT: James J. Devlin  
 ; TITLE OF INVENTION: Genetic Polymorphisms Associated with  
 ; Vascular Diseases, Methods of Detection and Uses Thereof  
 ; FILE REFERENCE: CL001524  
 ; CURRENT APPLICATION NUMBER: US/11/124,368A  
 ; CURRENT FILING DATE: 2005-05-09  
 ; PRIOR APPLICATION NUMBER: US 60/568,845  
 ; PRIOR FILING DATE: 2004-05-07  
 ; PRIOR APPLICATION NUMBER: US 60/625,936  
 ; PRIOR FILING DATE: 2004-11-09  
 ; NUMBER OF SEQ ID NOS: 21112  
 ; SOFTWARE: FastSEQ for Windows Version 4.0  
 ; SEQ ID NO: 254  
 ; LENGTH: 498  
 ; TYPE: PRT

Query Match Score 35; DB 6; Length 498;  
 Best Local Similarity 46.2%; Pred. No. 2e+02;

Qy 4 PSSGARRNC 13  
 Db 11 PSSGEARCC 20

RESULT 36  
 US-11-024-959-293  
 ; Sequence 233, Application US/11024959  
 ; Publication No. US20060010516A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: FORSTER, RICHARD L.  
 ; APPLICANT: CONNETT, MARIE B.  
 ; APPLICANT: EMBRSON, SARAH JANE  
 ; APPLICANT: GRIGOR, MURRAY ROBERT  
 ; APPLICANT: HIGGINS, COLLEEN M.  
 ; APPLICANT: LUND, STEVEN TROY  
 ; APPLICANT: MAGUSIN, ANDREAS  
 ; APPLICANT: KORZYCKI, BOB  
 ; TITLE OF INVENTION: CELL CYCLE GENES AND RELATED METHODS  
 ; FILE REFERENCE: 044463-0160  
 ; CURRENT APPLICATION NUMBER: US/11/024,959  
 ; CURRENT FILING DATE: 2004-12-30  
 ; PRIOR APPLICATION NUMBER: 60/533,036  
 ; PRIOR FILING DATE: 2003-12-30  
 ; NUMBER OF SEQ ID NOS: 782  
 ; SOFTWARE: PatentIn version 3.3  
 ; SEQ ID NO: 293  
 ; LENGTH: 499  
 ; TYPE: PRT  
 ; ORGANISM: Eucalyptus sp.  
 US-11-024-959-293

Query Match Score 35; DB 7; Length 499;  
 Best Local Similarity 50.0%; Pred. No. 1.9e+02; 3; Indels 0; Gaps 0;

Qy 5 PSGARRNC 14  
 Db 12 PDGVKRKVY 21

RESULT 37  
 US-10-821-234-1112  
 ; Sequence 1112, Application US/10821234  
 ; Publication No. US20050255114A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Labat, Ivan  
 ; APPLICANT: Stache-Crain, Birgit  
 ; APPLICANT: Andarmani, Susan  
 ; APPLICANT: Tang, Y. Tom  
 ; TITLE OF INVENTION: Methods for Diagnosis and Treatment of Precicampisia  
 ; FILE REFERENCE: 811A  
 ; CURRENT APPLICATION NUMBER: US/10/821,234  
 ; CURRENT FILING DATE: 2004-04-07  
 ; PRIOR APPLICATION NUMBER: US 60/462,047  
 ; NUMBER OF SEQ ID NOS: 1704  
 ; SOFTWARE: P-SEQ\_genes Version 1.0  
 ; SEQ ID NO: 1112  
 ; LENGTH: 513  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-821-234-1112

Query Match Score 35; DB 6; Length 513;  
 Best Local Similarity 46.2%; Pred. No. 2e+02;

```

Matches 6; Conservative 2; Mismatches 5; Indels 0; Gaps 0; RESULT 40
Qy 2 SGPPGARRNCY 14
Db 97 TGPBKGGRRNAW 109

RESULT 18
US-11-124-368A-252
; Sequence 252, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US/05/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 252
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-252

Query Match 40.2%; Score 35; DB 7; Length 538;
Best Local Similarity 60.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Qy 4 PPSGARRRNC 13
Db 11 PPSGSEARCC 20

Search completed: February 11, 2006, 08:34:17
Job time: 18 secs

RESULT 39
US-11-124-368A-255
; Sequence 255, Application US/11124368A
; Publication No. US20050287559A1
; GENERAL INFORMATION:
; APPLICANT: Michele Cargill
; APPLICANT: James J. Devlin
; APPLICANT: May Luke
; TITLE OF INVENTION: Genetic Polymorphisms Associated with
; Vascular Diseases, Methods of Detection and Uses Thereof
; FILE REFERENCE: CL001524
; CURRENT APPLICATION NUMBER: US/11/124,368A
; CURRENT FILING DATE: 2005-05-09
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; PRIOR APPLICATION NUMBER: US 60/568,845
; PRIOR FILING DATE: 2004-05-07
; NUMBER OF SEQ ID NOS: 21112
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO: 255
; LENGTH: 538
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-368A-255

Query Match 40.2%; Score 35; DB 7; Length 538;
Best Local Similarity 60.0%; Pred. No. 2.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
Qy 4 PPSGARRRNC 13
Db 11 PPSGSEARCC 20

```